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W. H. Tracy Jr.

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1910

THEILMANN'S

**HIGH-GRADE
GARDEN AND FIELD
SEEDS,**

*ONION SETS, INCUBATORS,
BROODERS, GARDEN DRILLS,
CULTIVATORS
BASKETS &c,*



**THEILMANN
SEED
CO.**

1601-1605
STATE ST.

**ERIE,
PENNA.**

Theilmann Seed Co.,

Annual Catalogue of Vegetable, Field and Flower Seeds

WE take pleasure in submitting our Annual Catalogue for the year 1910. It will be found to contain only the best varieties of seeds now grown.

OUR SEEDS

Are all fresh and reliable. Nothing is more essential to successful farming and gardening than good seed. With a full appreciation of this fact we offer only tried seeds of undoubted purity.

SEEDS BY MAIL.

We send by mail, Flower and Vegetable Seeds, at 8c per lb. postage, excepting beans, corn and peas, their weight being so great in proportion to their value that fifteen cents per quart must be added to the catalogue price, to cover expense of postage.

BY EXPRESS.

At places where the express companies have offices, any of our goods can be ordered through their agents, who will furnish blanks for the purpose, saving postage and trouble. No charge whatever is made by the express companies for their services, other than the usual rate for carrying goods.

HOW TO ORDER—REMITTANCES.

Orders should be accompanied with remittance or good reference. This saves much trouble and confusion during the hurrying season. The safest way is to send by registered letter, post-office order or express, except for sums of less than one dollar, for which we will accept stamps. Be particular to give name and post-office address full and distinctly.

WARRANTING SEEDS.

We are sometimes asked if we warrant seeds, and we wish to say here that we do not. We use our best endeavors to have all the seeds we sell of the best quality and description, and we hope our long experience in the business has gained for us a trustworthy reputation. But, although we test the vitality of our seeds, and truly believe that they are of the best stock, yet we know from practical experience that seeds and crops may fail from numerous causes and contingencies which the most careful and experienced cultivators cannot control.

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

THEILMANN SEED CO.

ORDER SHEET FOR
THE THEILMANN SEED CO.,
ERIE, PENN'A.

Forward by { State on this line whether
wanted by Mail, Express
or Freight } _____
TO _____


Your Name _____

Post Office _____

County _____

State _____

Express or Freight Office } _____ Date _____ 191 _____

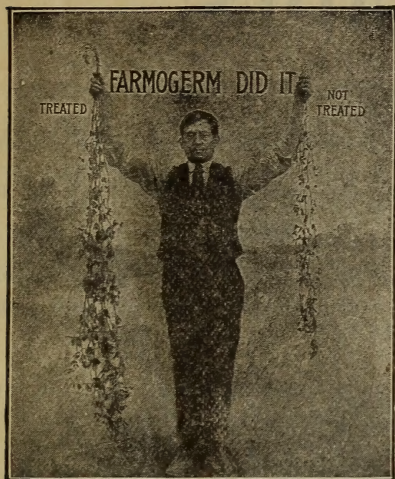
 Please write name and address very plainly in the above.

**MAKES Poor
Soil
Good Soil**

FARMOGERM

THE FARMOGERM METHOD

**(High Bred Ni-
trogen Fixing
Bacteria.)**



Alfalfa likes Farmogerm.

DOES AWAY

with the use of expensive fertilizers by using nature's method of supplying nitrates. Lime, potash and phosphates are comparatively cheap, and in many cases there is an abundant supply of these in the soil which can be made available for plant food if right methods are used—and the "Farmogerm Method" is the right method. If you wish to improve the condition of your land and grow bigger and better crops, send for book on the "Farmogerm Method." What it has done for thousands of people during the past two years it will do for you.

BUILDS UP

the land to the highest state of fertility and productiveness. Don't give your plants stimulants when they want food. The Farmogerm method not only adds nitrates to the land but improves its physical condition. Nitrate of

Soda is a temporary stimulant that soon leeches out of the soil and is not a permanent benefit. Farmogerm supplies at one tenth the cost not only enough nitrates for the growing crop but stores in the soil a large amount for future crops of other kinds.

IN THE GARDEN.

Increase your crop of peas, beans and sweet peas from fifty to one hundred per cent. by treating the seeds with Farmogerm. A few minutes extra work and the expenditure of fifty cents means sweeter and better peas and beans, larger vines, heavily loaded with pods, and a longer bearing period. When you can gain so much for so little, isn't it worth while to try?

ON THE FARM.

The practice of sowing clovers, cowpeas and soy beans in rotation with corn, wheat, cotton and other crops is of great benefit. You can double the benefit if you treat the seeds with Farmogerm and follow instructions for putting the land in suitable condition.

ALFALFA.

The greatest forage crop grown—yields two to eight cuttings per year, an average of seven to twenty tons per acre. Contains one-third more protein (muscle building food) than clover, and in food value equals a full grain ration. Horses, mules, cattle, hogs and chickens relish it and fatten rapidly on it. The largest stock farms advocate its growth. Eighty per cent. of the farms of this country can grow it, if they use the "Farmogerm Method." You cannot grow alfalfa on wet, soggy land or land with a close lying hard pan subsoil; but how much of your farm is like that?

COST.

Farmogerm is put up in bottles in the following sizes:

Garden size, containing material to treat the seeds for 1-6 acre of land, 50c each.

Acre size, containing material to treat the seeds for 1 acre of land, \$2.00 each.

Five acre size, containing material to treat the seeds for 5 acre of land, \$9.00 each.

For the following crops in acre sizes: Red Clover, Mammoth Clover, Crimson Clover, White Clover, Burr Clover, Sweet Clover, Alsike, Alfalfa, Berseem, Peanuts, Vetch, Lupins, Garden Beans, Garden Peas, Sweet Peas, Cow Peas, Canadian Field Peas, Soy Beans, and all other legumes.

IN GARDEN SIZE for Peas, Beans and Sweet Peas; also a mixed culture good for all three.

IN ORDERING state what crop you wish to plant; quantity wanted, and ask for book on the FARMOGERM METHOD.

INSECTICIDES.

Paris Green, largely used for spraying trees, potatoes, etc. Lb. 30c.

Hellebore, powdered White Hellebore, excellent for currant worms. $\frac{1}{2}$ lb. 15c, lb. 25c.

Slug Shot, A Non-poisonous Powder to be applied dry; particularly effective for potatoes. 5 lb. Package, 25c.

Tobacco Dust, Pure Tobacco ground to a fine powder. Effective in the destruction of all insect life; especially useful on cucumbers and all tender plants, as it does not burn. Lb. 5c per 100 lb. \$3.00.

Whale Oil Soap, excellent for a wash for plants; also destroys borers. Lb. bar. 20c.

Firtree Oil Soap, used for Mealy Bug. Pkg. 25c.

Bordeaux Mixture, for black rot, mildew, etc. In powdered form, per lb. box 25c. In liquid form, per gallon \$1.00. In large quantities ask for prices.

FERTILIZERS.

Pulverized Sheep Manure, for Lawns, Golf Greens, Gardens, Flower Beds, House Plants, Shrubbery, etc. Our Wizard Brand Sheep Manure is the best and strongest in fertilizing and enriching elements of all nature's fertilizers, containing, as it does Nitrogen, Phosphoric Acid, Ammonia and Potash in liberal proportions. It is three times stronger than cow manure. 100 lb. bag, \$1.50.

Pulverized Cattle Manure, excellent for gardens. Being ground fine it acts quickly on all vegetables. Per 100 lb. bag, \$1.25.

Pulverized Hog Manure, for vine seeds and tomatoes, one of the best there is on the market, give it a trial, per 100, \$1.50.

Bone Meal, excellent for general use or mixing with potting soil. 5 lbs., 15c; 10 lbs., 30c; 50 lbs., \$1.10; 100 lbs., \$2.00.

Nitrate of Soda, high in nitrogen. 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

Buffalo Guana, for general use as a farm fertilizer. Per 100 lbs., \$1.50; per ton, \$28.00.

Plant Food, especially made for house plants; will start them into growth quickly. In packages, 15c.

VEGETABLES.

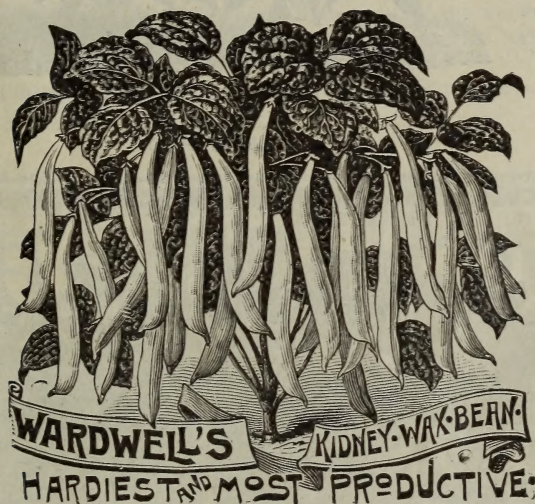
ASPARAGUS—German, Spargel.

Sow early in the spring as the ground will admit of working, in rows a foot apart. Keep carefully hoed and free from weeds, and the plants will be in condition to set out the succeeding spring. The soil for the permanent beds should be thoroughly manured and trenched. Plant in rows three feet apart and one foot between the plants in the rows, and let the crown of the plant be covered about six inches deep. 1 oz. of seed will produce about 500 plants.

Colossal. A mammoth variety of vigorous growth. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Palmetto. A new variety, ten days earlier than the Colossal. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c. Roots two years old, per dozen 15c, hundred 75c, per thousand \$7.00.

BEANS "DWARF."



Wardwells Kidney Wax.

Beans require a light, rich soil. Plant two inches deep in drills two feet apart, and keep the earth about them loose and clean. Delay planting until the weather has become warm and settled, as they will not stand the least cold. 1 quart will plant about 100 feet of row.

Hodson Wax (New). The most prolific bean in cultivation, with long, straight beautiful yellow pods. For market gardeners it cannot be excelled, producing immense crops that sell themselves on sight. Qt. 25c, pk. \$1.50.

Davis' Kidney Wax. The pods are long, straight, oval; clear, waxy, white color. Often growing to a length of 7 or 8 inches. Qt. 25c, pk. \$1.50.

Earley Valentine Wax. One of the best varieties for early use, being one of the first to mature; pods round, thick and of excellent quality. Qt. 20c, pk. \$1.40.

German Black Wax. Pods round, transparent and yellow. Tender and delicate in flavor. Qt. 20c, pk. \$1.25.

Wardwell's Kidney Wax. Pods long, broad, flat, and of good quality. Very popular. Qt. 25c, pk. \$1.50.

IN LARGE QUANTITIES ASK FOR PRICES.

Round Pod Kidney Wax, possesses all the excellent qualities of the well-known Wardwell's Kidney Wax, with the advantage of a round pod, which is entirely stringless. Large size and very early. Valuable for market. Qt. 25c, pk. \$1.50.

Improved Golden Wax. An old and well-known variety. Round pods. Qt. 25c, pk. \$1.50.

Flageolet Wax. One of the largest wax beans in cultivation. The pods often growing a foot in length and always tender. Qt. 20c, pk. \$1.50.



Burpees Stringless Green Pod.

BEANS, GREEN POD.

Burpee's Bush Lima. A bush form of the large pole Lima. The bushes grow from eighteen to twenty inches high, of stout growth and always erect, yet branching vigorously; and hence, a good bearer. Qt. 25c, pk. \$1.75.



Burpee's Bush Lima.

Bountiful. A variety of recent introduction and its many good qualities should bring it into general use. Upright in growth, vigorous and productive, pods long, of most excellent flavor and entirely stringless until nearly ripened. Should be in every garden. Qt. 25c, pk. \$1.50.

Why not give us a trial order.

Burpee's Stringless. The finest green-podded variety extant, entirely stringless. Qt. 20c, pk. \$1.50.

Early Valentine. The earliest of the green-podded varieties. Hardy and vigorous. Qt. 15c, pk. \$1.10.

Long Yellow Six-weeks. Produces a profusion of long, flat pods. Should be gathered young. Qt. 15c, pk. \$1.10.

Extra Early Refugee. An improvement on the well-known Refugee, being very much earlier and more dwarf and compact in habit. Qt. 20c, pk. \$1.25.

Refugee, or Thousand to One. The well-known pickling and canning variety. Qt. 20c, pk. \$1.25.

White Kidney, or Royal Dwarf. Used extensively as a shell bean; none better. Qt. 15c, pk. \$1.00, bu. \$3.50.

POLE OR RUNNING BEANS.

Set the poles 3 to 4 feet apart and plant 5 or 6' beans around each pole. They are not so hardy as the dwarf varieties, and should not be planted till the weather is settled and warm. They need the best of soil to do well. 1 quart to 150 poles.

Large Lima. Unsurpassed as a shell bean. Qt. 25c, pk. \$1.75.

King of the Garden. Qt. 25c, pk. \$1.75.

Early Jersey Lima. Earlier than the large Lima, best for the north. Qt. 25c, pk. \$1.75.

Dutch Case Knife. One of the most productive pole beans we have, earlier than the Limas. Qt. 25c, pk. \$1.25, bu. \$4.50.

Golden Cluster. A distinct variety. Produces long pods of a beautiful golden color, and the earliest pole variety growth. Qt. 25c, pk. \$1.75.



BEETS.

Select rich, sandy loam, and sow in drills 16 inches apart, and cover an inch deep. When the young plants appear, thin to 4 inches apart, and keep the ground well worked. For early use sow as soon as the ground can be worked in the spring, and for general crop, about the middle of May. The Mangel Wurzel is grown solely for stock, and require about the same treatment as the beets. 1 oz. of seed will plant 50 feet of row.

ARLINGTON BLOOD TURNIP. One of the best all around Beets. Dark red in color and of good form. Oz. 5c, ¼ lb. 15c, lb. 50c.

Eclipse. At present the leading market sort; noted for its rapid growth and extreme smallness of top. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

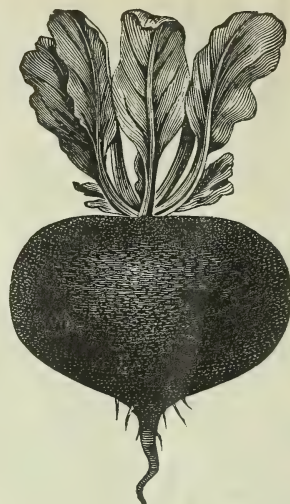
Egyptian. Dark, blood red, an old favorite. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Detroit Dark Red. A fine shaped variety, largely used by the canners. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Early Bassano. One of the sweetest varieties grown; roots rose and white. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Swiss Chard. Cultivated for its leaf stocks, which are served as asparagus, and for its leaves cooked as spinach; cut often, new and more tender stalks will be produced. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Klein Wanzleben. The best of the white sugar varieties and the one generally used by the Beet Sugar factories; very rich in saccharine matter. $\frac{1}{4}$ lb. 10c, lb. 25c.



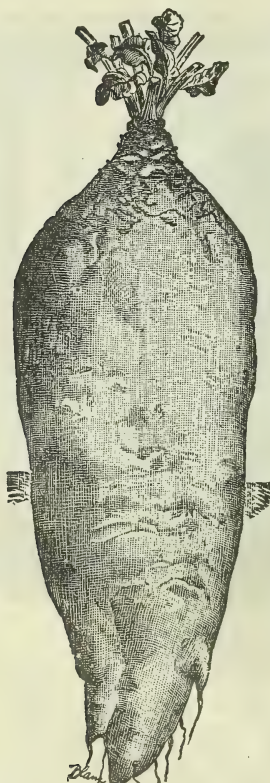
Crosby Egyptian.

MANGEL WURZELS.

Mammoth Long Red. Of immense size, tends less to hollow necks than the common, long red varieties. $\frac{1}{4}$ lb. 10c, lb. 25c.

Golden Tankard. Flesh deep yellow, with light colored rings; good cropper. $\frac{1}{4}$ lb. 10c, lb. 25c.

Imperial Sugar. Especially valuable for feeding, lb. 30c. In lots of 5 lbs. 25c per lb.



Mammoth Long Red.

BROCCOLI—German, Spargel Kohl.

The Broccoli are so closely allied to the Cauliflower as to be scarcely distinguishable either by taste or color. They are more hardy and certain to head; they require the same treatment. One ounce of seed will produce about 2,500 plants.

Earley Purple Cape. Very hardy; heads solid; color greenish purple. Pkt. 10c, oz. 60c.

Early White Cape. Later than Purple Cape; heads of a medium size. Pkt. 10c, oz. 60c.

BORECOLE OR KALE—German, Blatter Kohl.

Sow from middle of April to May; in June transplant to rich, mellow soil, and cultivate same as Cabbage. They are rendered very tender and delicious by moderate touches of frost in autumn.

Green Curled Scotch. Bright green, beautifully curled. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

German Curled. Very hardy and prolific. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Our Seeds are all 1909 Grown.

BRUSSELS SPROUTS—German, Kopf Kohl.

Allied to the Cabbage family, producing from the stalks of the plants an abundance of sprouts, resembling small Cabbages. Cultivate same as Cabbage.

Dwarf Improved. Very fine heads. Oz. 30c, $\frac{1}{4}$ lb. 80c, lb. \$3.00.

CABBAGE.

German, Kopf Kohl.

Sow the seeds of the early varieties in hotbeds the latter end of February or early in March, and transplant in April. For second early sow the seed in open ground early in May, and for late use, the first of June. In planting set the stem well down. The ground should be frequently worked to get good results. 1 oz. of seed will produce about 2,000 plants.

Early Jersey Wakefield. A standard early cabbage in Boston markets. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Henderson's Early Summer. The earliest of the drumhead varieties. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Winningstadt. Undoubtedly the best coneshaped Cabbage in existence, extremely hard. Oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Charleston Wakefield. Similar to Early Jersey Wakefield, about ten days later. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.



Early Jersey Wakefield.



Dannish Ball Head.

Danish Ball Head. (Genuine.) Imported direct from Denmark, our Danish Cabbage cannot be surpassed. This variety is now grown almost exclusively by the large growers, and seed that will produce the desired results is of the utmost importance. (We have it.) Oz. 20c, $\frac{1}{4}$ lb. 60c, 1 lb. \$2.25.

Hollander. Somewhat similar to Danish Ball Head, a little larger and very solid. Oz. 20c, $\frac{1}{4}$ lb. 60, lb. \$2.25.

All Seasons. A type of the old premium Flat Dutch. May be planted earlier. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Fottler's Brunswick. Round solid head, for marketing or general crop it has no superior. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Large Late Drumhead. A superior fall and winter variety. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Premium Flat Dutch. Too well known for comment, a sure header. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Our Cabbage Seed is Imported.



Allhead Early.

Stonemason Drumhead. A large headed late variety, and a good one. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Succession. A short stumped, Drumhead variety. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Surehead. As its name implies, a sure header. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Red Drumhead. Used for pickling. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

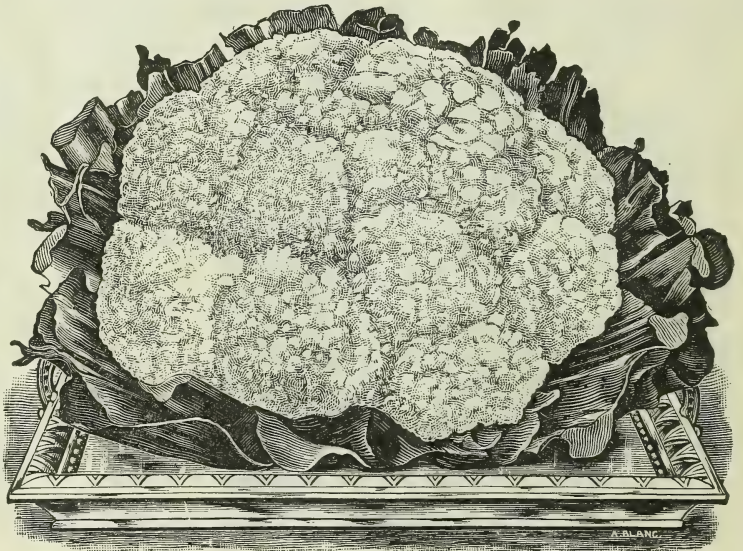
Dwarf Ulm Savoy. A small early variety, finely curled. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Improved Drumhead Savoy.—Larger than Ulm, not quite so early. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

CAULIFLOWER—German, Blumen Kohl.

It requires much the same treatment as the Cabbage and reaches perfection in the cool, moist weather of the fall months.

Henderson's Early Snowball. Extensively grown; always making a good crop under favorable conditions; valuable both for early and late crops. Pkt. 10c, oz. \$2.00, $\frac{1}{4}$ lb. \$8.00.



Henderson's Early Snowball.

Try them and you will find them O. K.

CARROTS—German, Mohre.

Carrots require a rich, sandy soil to reach perfection. For an early supply sow in the spring as soon as the ground can be worked. Carrots are very susceptible to dry weather, which is apt to prevent the germination of the seed or burn the young plants as soon as they appear above the ground. It is therefore advisable to use a liberal quantity of seed, which will give the crop a better chance. One oz. of seed will plant 150 feet of drill.

French Short Horn. An early short variety for forcing. Oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Guerande or Oxheart. This variety, while not attaining one-half the length of some other varieties, will compare favorably in bulk of crop with any. What it lacks in length is made up in thickness. The crop can be easily pulled, no digging being required. Oz. 8c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Half Long, Stump Rooted. A smooth, medium sized variety. Oz. 7c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Danvers. A cross between the Short Horn and Long Orange, the most popular general crop variety. Oz. 7c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Chantenay. A stump-rooted, scarlet variety. Roots broad shouldered and always symmetrical. Try it for market; it will please you. Oz. 7c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Danvers $\frac{1}{2}$ Long.

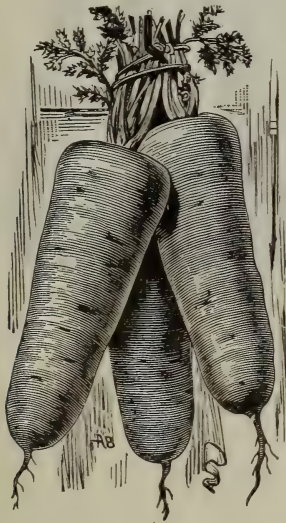
Improved Long Orange. The most popular of the older varieties. Oz. 7c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Improved Short White. The heaviest cropping Carrot known; the roots are short, very heavy at the shoulder, of uniform shape and smooth; light green color above ground, white beneath; flesh rich, white, solid, crisp and of sweetest flavor. No other Carrot grown is so easily harvested, and no other new variety of field roots has gained such favor and demand in so short a time. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

White Belgium. The largest variety, grown exclusively for stock; grows one-third out of the ground. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

CELERY—German, Seleri.

Plant seed in hot bed, or very early in open ground. When three inches high, transplant



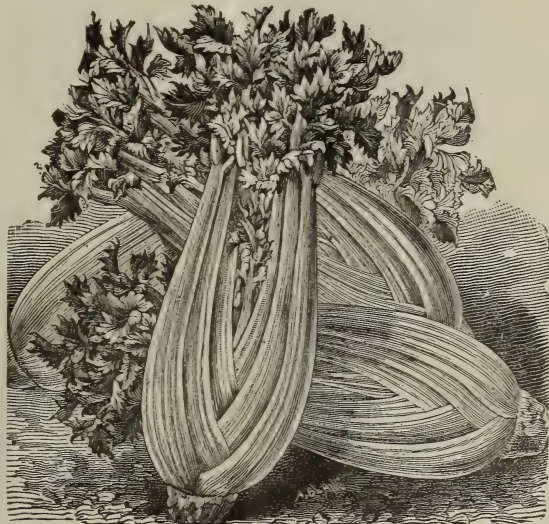
Half Long Stump Rooted.

four inches apart, water and protect until well rooted, then transplant to trenches, setting the plants twelve inches apart in rows. To blanch, draw the earth around the plants from time to time, taking care not to cover the tops of the center shoots.

Golden Self Blanching. The leading early market variety, of dwarf habit, and of a beautiful golden yellow color. We have the right stock of this variety. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

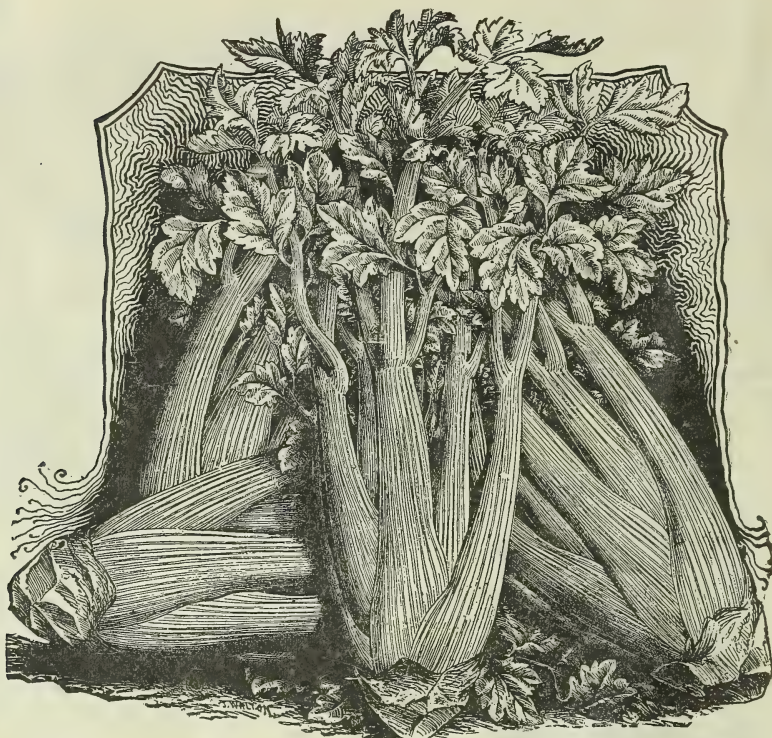
Winter Queen. Most popular of all for winter use, has large heart of rich golden yellow and good keeper. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Thorborn's Perfection Hartwell. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.



Winter Queen.

Our Seeds will grow.



Giant Pascal.

Giant Pascal. An easily blanched and fine keeping sort; stocks very wide and thick; a good late variety. Oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Golden Heart, Half Dwarf. When blanched the heart is of a beautiful golden color. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Henderson's Half Dwarf. Good general crop variety. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

White Plume. A distinct variety of great merit. Its stalks and inner leaves are naturally white, so that by tying up with matting or drawing the earth up around the plants with the hands, the work of blanching is completed. Oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Boston Market. Of low growth, popular in the Boston markets. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Dwarf Crimson. Very ornamental for the table. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Celeriac, or Turnip Rooted. Roots largely used for soups. Oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

CORN.

German, Korn.

Plant the smaller varieties about the middle of May, in drills three feet apart, stalks ten inches apart in the rows, or in hills three feet apart each way. The taller varieties on rich soil should be given more space. We have taken great pains to secure only the best varieties. One quart will plant 200 hills.

Red Cory. The earliest of all. From six to ten days earlier than Early Marblehead, which it resembles. Qt. 15c, pk. 75c.

White Cory. Equally as early as the Red Cory. with the advantage of being pure white. Qt. 15c, pk. 75c.

Crosby's Early Sweet. A rather small-eared variety, excellent for private gardens. Qt. 15c, pk. 75c.

Black Mexican. A black grained variety; one of the sweetest; excellent for private gardens. Qt. 20c, pk. \$1.25.

Country Gentleman. Next to the Black Mexican, the sweetest sort grown. Grains grow in irregular rows. Qt. 15c, pk. 75c.

Early Minnesota. A good early sort. Ears short, but firm. Qt. 15c, pk. 75c.

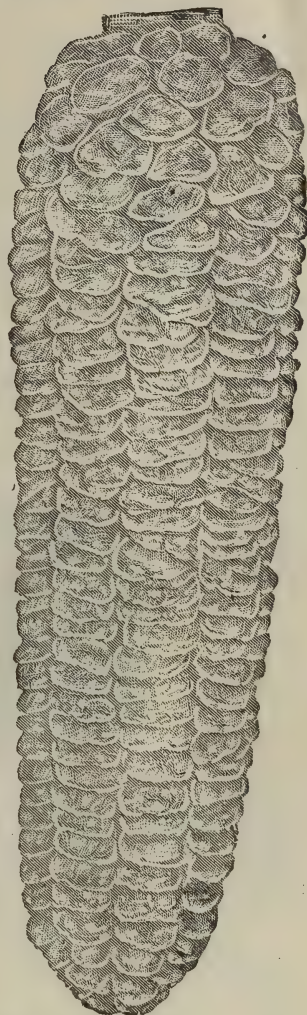
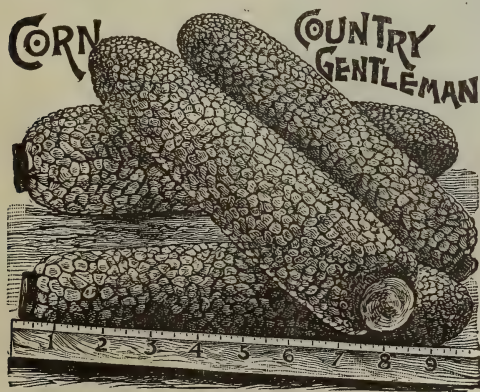
Stowell's Evergreen. A well-known, late variety. Remains green longer than any other kind. Qt. 15c, pk. 75c.

Late Mammoth. The largest of any late variety; from twelve to eighteen rowed. Qt. 15c, pk. 75c.

Golden Bantam (New.) The earliest and sweetest of all sweet corn, stock grows from 3½ to 4 ft. high and bears from two to three ears 5 to 6 inches long, with eight rows of bright yellow grains, which are of the most delicious and tender quality. Though one of the earliest, it may be had throughout the season by successive plantings. Qt. 20c, pk. \$1.25.

POP CORN.—White Rice. An old and popular variety. Lb. 10.

Black Mexican. A smooth, black variety, ears somewhat larger than the Rice. Easily shelled and pops out large and white. Lb. 10c.



Cory.

CORN SALAD, OR FETTICUS.

German, Lammersalat.

A nice salad; is fit for use in six or eight weeks from time of sowing. If wanted early in spring, sow in September and cover with straw or leaves as soon as cold weather sets in.

Large Seeded. Oz. 10c, ¼ lb. 20c, lb. 60c.

Corn is good this year.

CUCUMBERS.

German, Gurke.

Cucumbers should not be planted until all danger from frost is past. Sow in light, rich soil, in hills four feet apart, the seeds to be covered about one-half inch with finely pulverized soil and firmly pressed down with the back of the hoe. When well up and out of danger from insects, thin to four plants in a hill. The middle of June is early enough to plant for pickling. 1 oz. will plant 50 hills.

Early Cluster. A small prickly sort, grows in clusters. Very productive. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Boston Pickling. Medium size, superior quality. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

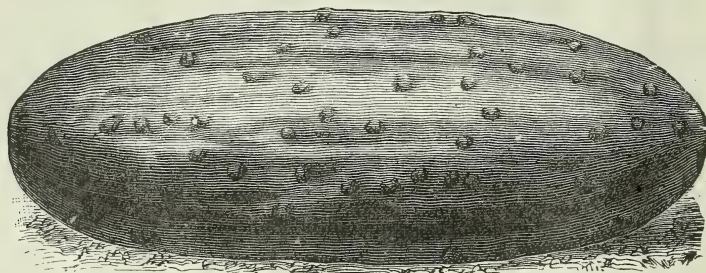
Early Frame. A very popular variety, short and prolific. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Nichol's Med. Green. Of vigorous growth, tender flesh; excellent for pickles. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Imp. White Spine. Excellent for table use; a great bearer. Oz. 10c $\frac{1}{4}$ lb. 20c, lb. \$1.00

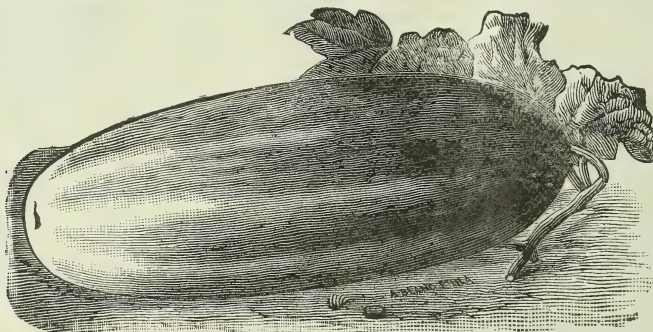
Long Green. An old standard sort; makes hard, brittle pickles. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Nichol's Med. Green. As a pickling variety is unsurpassed. Noted for its uniform growth and great productiveness. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Davis Perfect.

The Davis Perfect (New.) In color a dark glossy green. Shape, slim and symmetrical, with an average length of ten to twelve inches. They never grow pussy and hold their color till nearly ripe. The quality is fine, as it has very few seeds, which are small and very soft when fit for table use. It is a strong grower and successfully resists the cucumber disease. Oz. 15, $\frac{1}{4}$ lb. 45c, lb. \$1.50.



White Spine.

Extra Long White Spine. Longer than the Improved White Spine, a very handsome variety. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

West India Gherkin. Oval shaped; prickly; for pickling only. Oz. 25c.

Cucumber crop is light buy early.

CRESS OR PEPPERGRASS—German, Kresse.

A useful salad plant. It gives a pungent relish mixed with Lettuce or other salad plants. Sow the seed thickly, at frequent intervals, for a succession, in drills one foot apart.

Extra Curled. Very fine. Will bear frequent cutting. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Water Cress. An aquatic plant, should be sown on the edges of streams in shallow water. Oz. 30c, $\frac{1}{4}$ lb. \$1.00.

EGG PLANT—German, Eier Pflanze.

A tender annual, producing large, egg-shaped fruit, and considered a great delicacy. Sow the seed in a hot bed early in March. When the plants are three inches high transplant to pots which plunge in the same bed so that the plants may become stocky and are readily set out. When the weather becomes warm, transplant into good soil, three feet apart each way. 1 oz. will produce about 1,500 plants.

Early Long Purple. Of easy culture, thrives well in almost any of the Northern States. Pkt. 10c, oz. 30.

Improved New York Purple. An improved variety of the Round Purple; of deeper color, larger size and finer quality. Oz. 25c, $\frac{1}{4}$ lb. 75c.

ENDIVE—German, Endivien.

This vegetable is highly esteemed as a salad for fall and winter use. For an early supply sow in April or May; for general crop, delay sowing until latter part of June. When the plants are three or four inches high, transplant one foot apart each way, and keep free from weeds until the leaves are six or eight inches long: then blanch by gathering them carefully together when perfectly dry and tying by their tips in a conical form to exclude light and air. From three to six weeks are required to thoroughly blanch.

Broad-leaved Batavian. Leaves broad, nearly plain. Oz. 10c, $\frac{1}{4}$ lb. 25c.

Moss Curled. Moss like appearance, beautifully curled. Oz. 10c, $\frac{1}{4}$ lb. 25c.

KOHL RABI—German, Kohlrabi.

Early White Vienna.

Sometimes called Overground Turnip. Sow the seed frequently through June for a succession in rows two feet apart; thin the plants to one foot in the rows.

Early White Vienna. Flesh white and tender; very productive. Oz. 15c, $\frac{1}{4}$ lb. 50c.

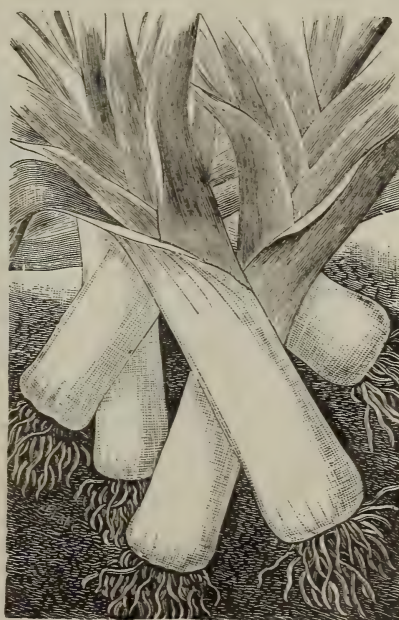
Early Purple Vienna. Very hard, flesh of a purple color. Oz. 15c, $\frac{1}{4}$ lb. 50.

LEEK—German, Lauch.

A wholesome and useful vegetable. Sow in April in drills one foot apart and one inch deep; thin the plants to ten inches. 1 oz. for 1,000 plants.

Am. Flag. Largest of all. Oz. 10c, $\frac{1}{4}$ lb. 35c.

Broad Scotch. A standard variety. Oz. 10c, $\frac{1}{4}$ lb. 40c.



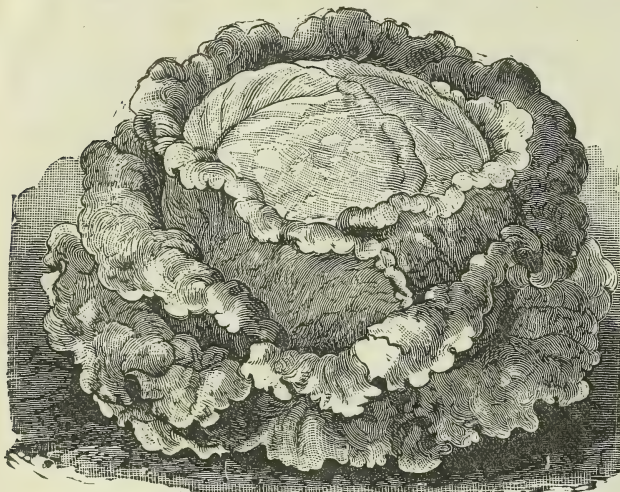
American Flag.

For Baskets we are headquarters.

LETTUCE.

German, *Lettich*.

For an early supply sow in hot beds in March, and for main crop in the spring as soon as the ground can be worked. Thin or transplant when one inch high to one foot apart for heading. Hoe frequently to prevent them from going to seed. 1 oz. will sow a bed of 120 square feet.



Big Boston.

Big Boston. An early, large heading variety, may be used either for forcing or open ground. One of the best for market gardeners' use. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. 80c.

Tennis Ball, White Seeded. Hardy small heads. Best for winter culture. Oz. 8c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Iceberg. A curly lettuce, large, solid heads. The outer leaves are light green in color and their habit of branching towards the center of head is a great aid in the blanching of heart. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. 75c.

California Cream Butter. A splendid variety for summer. It produces a very large and white head. It will stand extreme heat. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Buttercup. A German variety, recently introduced, plant medium sized with numerous round, smooth leaves, which are of a beautiful yellow color and very sweet and tender. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Grand Rapids. Good forcing variety. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. 80c.

Prize Head. Large, loose heads of a bright green; leaves beautifully frilled at the edge and washed with red, giving it a very unique and handsome appearance. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. 80c.

Henderson's New York. A very large and solid variety, showing but little tendency to run to seed. The color is a clear, deep apple green on the outside, the inside being yellowish white. Oz. 8c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

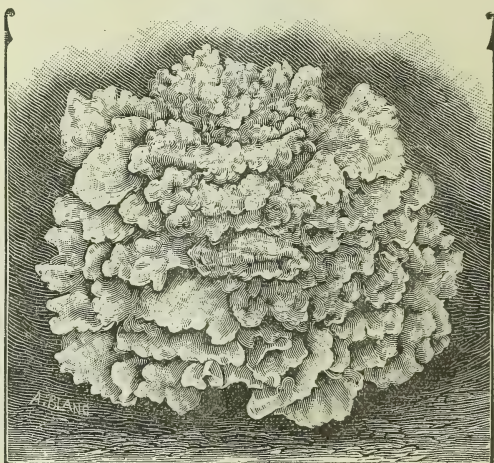
Hubbard's Forcing. One of the best for forcing. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Hanson. This variety for out door culture cannot be excelled. The heads grow to a remarkable size, and are sweet, tender and crisp, even to the outer leaves. Oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 80c.

Early Curled Silesia. Good either for forcing or open ground. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Black Seeded Simpson. Like the Silesia, this variety does not form a head, but differs from that variety in being much lighter in color. Stands the heat well and is well suited for forcing. Oz. 7c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Deacon. A magnificent head lettuce. Light green outside, inside beautifully creamy yellow, and heading nearly as large and hard as a cabbage. Oz. 8c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Grand Rapids.

Good Lettuce Seeds.

MELON--(MUSK)

German, Melone.

Select light warm soil; plant in hills six feet apart each way. The hills should be prepared by digging out the soil a foot deep and thoroughly mixing in a couple of shovelful of well rotted manure, filling up a little above the level. Planting should be deferred until warm, settled weather. 1 oz. will plant 100 hills.

Rockyford. Originated in Colorado; the most popular melon of the times; known everywhere and sought for by lovers of good melons. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

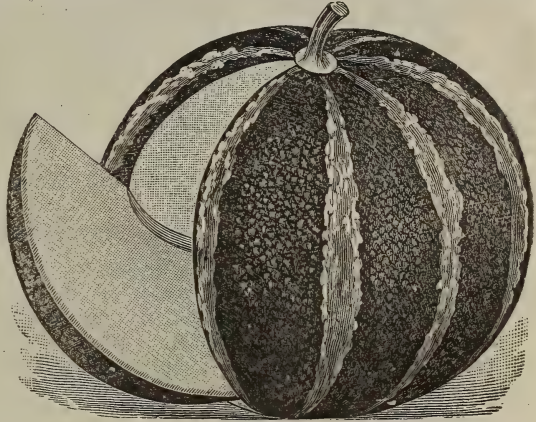
Paul Rose. Originated from the Osage and Rockyford. Flesh orange red, firm and sweet to the rind. For table use this is the best melon extant. Oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Grand Rapids. The introducers say this is the best Melon for market gardeners ever brought out. It is two weeks earlier than any other Musk Melon in cultivation, and a big one at that. Oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Surprise. This new Melon has a thin cream colored skin, and a thick salmon colored flesh. Early, very productive, and of delicious flavor. Externally it resembles White Japan, but grows to twice the size. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Nutmeg. Skin deep green; flesh greenish yellow. Very fragrant and delicious. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Early Citron. Medium size Melon, deeply netted, nearly round and of delicious flavor. Oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

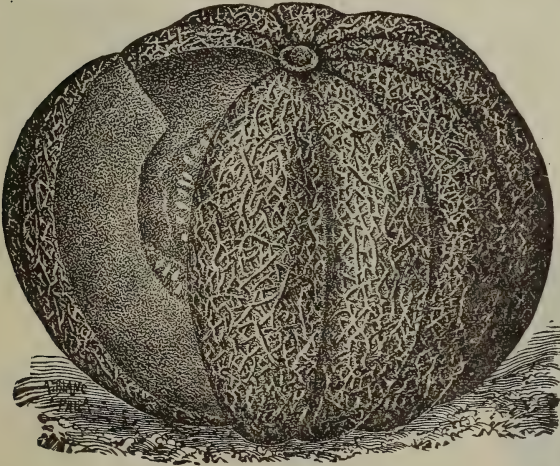


Emerald Gem.

Emerald Gem. New, small, extra early; skin dark green; flesh orange and of delicious flavor. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Hackensack. Extensively grown for market; large, sweet, productive and early; skin and flesh green. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Osage (also known as "Miller's Hybrid" and "New Princess"). A strong growing and productive green skinned variety; flesh a rich salmon color and very thick. It makes a fine appearance and is a good selling melon. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Early Hackensack

MELON (Water)—German, Wassermelone.

Cole' Early. An early thin round variety; hardy and productive. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Kolb's Gem. One of the best for shipping purposes; stands handling without breaking; bright red flesh. Oz. 10c, lb. 60c.

Ice Cream, or Peerless. Flesh pink, seeds white. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Hungaria Honey. An old variety; one of the richest; medium size; dark green skin, red flesh. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.



Mountain Sweet.

Melon Seed is a light crop.

Kleckly Sweets. Sweetest of all Water Melons; oblong shape; dark green color and white seeds; with out doubt the finest melon ever produced. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Citron. Red seeded medium size, used for sweetmeats and preserves. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

MUSHROOM SPAWN—German, Essbare Blaetterschwemme.

Mushroom beds may be prepared in a warm cellar or shed in winter, or in the open air in summer. Collect daily the fresh horse manure from the stable, and lay it in a heap to ferment; turn and mix it well once a week, and when well and equally fermented, which will be in about three weeks, it will then be ready for the beds. The beds should be about four feet wide, and any length required for a supply. Place the prepared dung two feet deep on the beds, mix thoroughly with the earth, and beat or press it firmly down with the back of the spade; in this state it should remain until the temperature has become sufficiently mild, which may be ascertained by thrusting a stick into the different portions of the bed. Pieces of the spawn of the size of a walnut should then be inserted about two inches deep, and six inches apart; cover with loamy soil two inches deep, and press down evenly and firmly. Spread over all a covering of straw one foot thick, and the mushrooms should appear in five or six weeks.

Fresh Milltrack Spawn, in bricks, per brick, 20c; per dozen bricks, \$1.50.

MUSTARD—German, Senf.

Used as a salad early in spring with Lettuce and Cress. Sow at intervals thickly, in rows six inches apart. Cut when about two inches high. For a crop of seed sow in April in drills one foot apart, and thin to about five inches in the rows.

Brown or Black. More pungent than white. Oz. 5c, lb. 30c.

White London. Best for salads or medicinal purposes. Oz. 5c, lb. 30c.

OKRA OR GUMBO—German, Essbarer.

This vegetable produces long, nutritious pods, which, when young, are used in soups and stews, to which they impart a rich flavor. It is of easy culture, grows freely and bears abundantly. To be sown at the usual time of all tender vegetables, in drills two inches deep, and two feet apart in the rows.

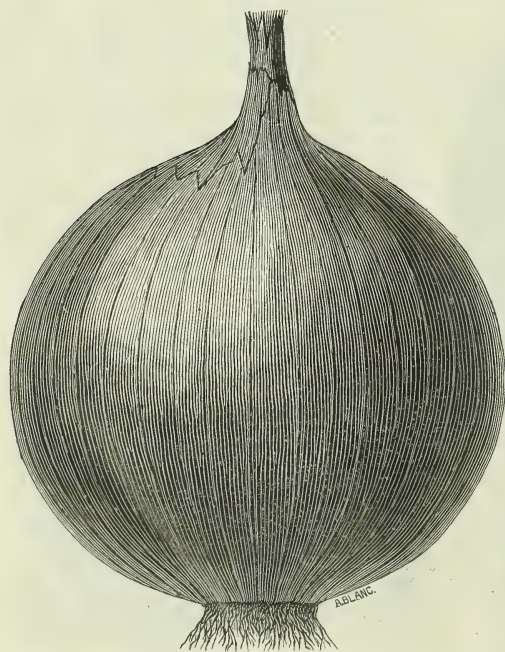
Dwarf Green. Early and productive. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

ONIONS.

German, Zwiebel.

The Onion should have a clean, loamy and very rich soil. The use of well rotted compost is very beneficial, and Onions will do well if sown on the same piece of land for a succession of years. Sow seed as early as possible, in drills fourteen inches apart and half an inch deep. As Onions grow on top of the ground they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing which should be frequently done, do not cover the young bulbs with earth. 1 oz. of seed will sow a bed 5 by 20 feet.

Yellow Globe Danvers. A thick, heavy, straw-colored Onion; mild flavored and yields abundantly. Ripens early and keeps well, the standard market variety of this section. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Danver's Yellow Globe.

Our home grown Globe is No. 1.

Southport Yellow Globe. Oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

Southport White Globe. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Southport Red Globe. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Australian Brown. Oz. 10, $\frac{1}{4}$ lb. 35, lb. \$1.10.

Large Red Wethersfield. A large flat variety; skin deep red, flesh purplish white; very productive, good keeper, popular in the Eastern markets. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

White Portugal, or Silver Skin. A fine large white Onion of delicious flavor, but a poor keeper. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$2.00.

White Pickling. A small, clear white Onion; extensively used for pickling; very handsome. Oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

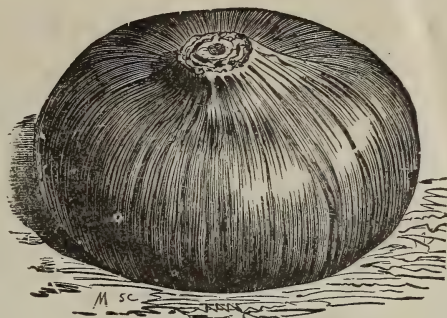
White Globe. A very handsome late variety; a large cropper, and of good quality. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Prize Taker. A large foreign variety; equal in quality to the Spanish-varieties. To reach perfection should be started in a hot bed and transplanted. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

White Barletta. An extra early small white Onion; similar to White Queen. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Philadelphia Yellow Dutch, or Strasburg. A good keeper and well flavored; bright straw-colored skin and somewhat flattened shape. The Onions grow to a good size and are very mild. This variety is largely grown for sets on account of its excellent keeping qualities. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Yellow Danvers—(Flat. Reliability for bottoming and large yield are both combined in our improved strain of this popular variety. It ripens early, is entirely free from stiff necks, keeps well, and sells readily. This variety is now being planted in many sections for growing sets, being preferred by many to the Strasburg. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



Flat Danvers.

ONION SETS.

Plant as early in spring as the ground can be worked, in rows one foot apart. We handle only the Celebrated Erie Sets, which are always hard and in good condition.

White Onion Sets. Yellow Onion Sets. Potato Onion Sets. 15c.

PUMPKIN—German, Kuerbis.

Cultivated usually among corn. Treatment same as squashes.

Connecticut Field. Best for stock. 15c per qt.

Sugar. Medium size; fine quality. Excellent for cooking. Oz. 10c, lb. 75c.

PARSNIPS—German, Pastinake.



Hollow Crown Parsnip.

Sow in rich, deep and well-manured soil, as early as the weather will permit in rows fifteen inches apart and one-half inch deep; thin out to five inches apart. They are improved by frost, and are usually left in the ground all winter, and dug as needed.

Hollow Crowned. One of the best either for table or stock. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

You know we are headquarters for sets.

PARSLEY— German, Petersilie.

Parsley seed germinates very slowly, and frequently remains in the ground from two to three weeks without showing any signs of vegetation. Seeds sown out of doors should be soaked in warm water at least twenty-four hours previous to planting. When the plants are two or three inches high, thin out to four inches apart in the rows.

Champion Moss Curled. A very select stock; leaves beautifully curled, the best for garnishing. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Extra Curled. Fine dwarf variety; admirably curled; very popular. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Plain Parsley. The leaves of this variety are plain. It is hardier than the curled variety; good for flavoring. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Turnip Rooted. The root resembles a small parsnip; extensively used for soups. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

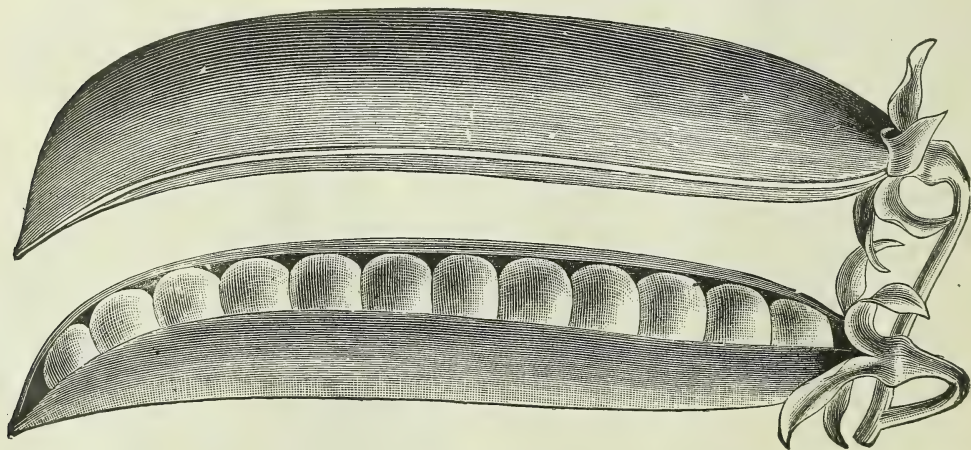


Extra Doubled Curled.

PEAS.

German—Erbсен.

The Peas are very hardy and will endure a great amount of frost and cold with safety. They should be sown very early in order to have them for early use. Sow in single or double rows from two to six feet apart, according to the variety or the height they attain. Brush should be furnished the tall varieties as soon as they appear. 1 qt. will sow from 150 to 200 feet of row.



Improved Telephone.

Gradus. The greatest pea of recent introduction. Large handsome pods, resembling Telephone in size and shape, and as early as the earliest. A combination that cannot fail to attract the market gardener. Stock limited. Qt. 25c, pk. \$2.00, bu. \$7.00.

Nott's Excelsior (New). A dwarf wrinkled, Pea, destined to take the place of the well-known American Wonder; the vines are larger and more vigorous; equally as early and much more prolific; in sweetness and quality they are equal to any. Qt. 20c, pk. \$1.60, bu. \$6.00.

American Wonder. A very early green wrinkled dwarf variety; peculiarly suited to the private garden; height, ten inches. Qt. 20c, pk. \$1.60, bu. \$6.00.

Peas are a very light crop.

Premium Gem. A dwarf wrinkled variety; height, one foot. Qt. 20c, pk. \$1.60, bu. \$6.00.

Admiral. Medium early. Largely used by canners. Qt. 20c, pk. \$1.50, bu. \$6.00.

Alaska. The earliest Pea known. Qt. 20c, pk. \$1.50, bu. \$6.00.

Yorkshire Hero. A fine large wrinkled variety, of exceedingly good quality; two and one-half feet. Qt. 20c, pk. \$1.25, bu. \$5.00.

Telephone. (Improved Dark Pod.) An extra selected strain with very large dark green pods, always coming true; the result of careful breeding. The improvement over the ordinary kind is so marked that we consider this the best Telephone type now obtainable. Qt. 25c, pk. \$1.50, bu. \$6.00.

Carter's Telephone. Qt. 25c, pk. \$1.50, bu. \$6.00.

Improved Stratagem. A dwarf wrinkled marrow; highly recommended; two feet. Qt. 20c, pk. \$1.50, bu. \$6.00.

Champion of England. Qt. 20c, pk. \$1.25, bu. \$4.00.

Duke of Albany. 1 Qt. 25c, pk. \$1.75, bu. \$6.50.

Black Eye Marrowfat. Qt. 15c, pk. \$1.00, bu. \$3.50.

White Marrowfat. Qt. 15c, pk. \$1.00, bu. \$3.50.

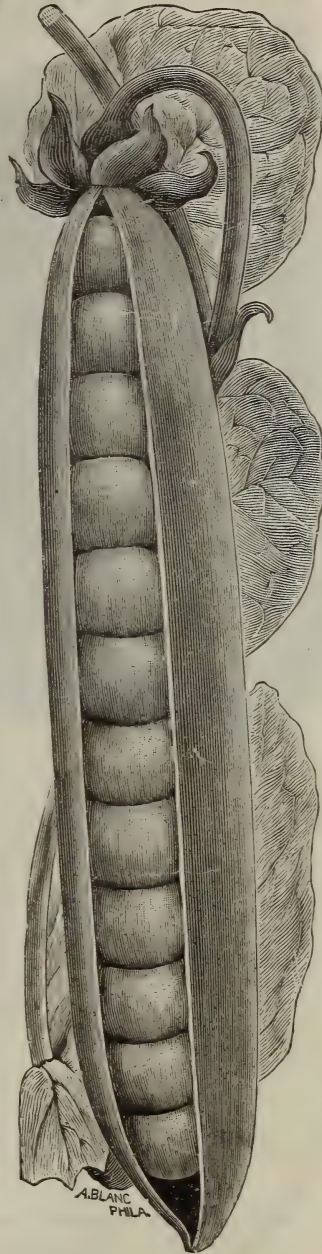
Dwarf Champion of England. Qt. 20c, pk. \$1.50, bu. \$5.50.

Landreth Extra Early. We have been improving this strain of extra early Peas for years, and now have a very choice strain. It is the earliest and most prolific variety; height 20 inches. Qt. 20c, pk. \$1.40.

Thomas Laxton. A comparatively new variety of large-podded Pea. The plant is a very hardy and strong grower, producing extra large size pods in abundance. The quality is delicious, and cannot be surpassed by any other variety. The "Thomas Laxton" will mature nearly as early as any of the extra early smooth Peas, and being a wrinkled sort is much sweeter. Qt. 25c, pk. \$1.75, bu. \$6.50.

Heroine. A medium early green wrinkled Pea, which is exceedingly prolific, and produces and abundance of large, curved, well-filled and showy pods. Qt. 15c, pk. \$1.20, bu. \$4.50.

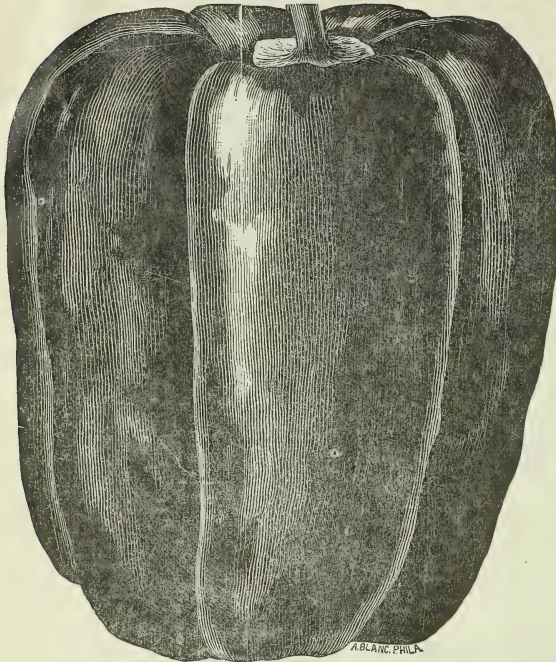
Carter's Daisy, or Dwarf Telephone. This is a dwarf variety, bearing large, handsome pods like Telephone, but without long vines, and grows more dwarf than Stratagem. It is of dwarf, stocky habit, healthy vigorous growth, and very productive. In season, medium, from 5 to 7 days earlier than Stratagem. The pods are long, frequently measuring 5 inches in length, broad, rounded or curved at the end, remarkably well filled; color pale-green, thick and of good lasting quality; height, 18 inches. Qt. 20c, pk. \$1.40, bu. \$4.50.



Gradus.

PEPPERS.

German, Pfeffer.



Chinese Giant.

Cultivated largely for pickles. Sow early in spring in hot bed. Transplant when the weather is favorable, in rows eighteen inches apart and ten inches in the rows.

Chinese Giant. Double the size of Ruby King. The largest in existence. Extremely mild and sweet, can be served sliced like tomatoes. Oz. 25c. $\frac{1}{4}$ lb. 75c.

Cayenne. Long, slim pointed pod; extremely strong and pungent. Oz. 20c, $\frac{1}{4}$ lb. 60c.

Large Bell or Bull Nose. Standard sort; early, sweet and of good flavor. Oz. 20c, $\frac{1}{4}$ lb. 60c.

Large Sweet Mountain. Very large; excellent for mangoes. Oz. 20c, $\frac{1}{4}$ lb. 60c.

Ruby King. Large, bright red and remarkably mild and pleasant. Oz. 20c, $\frac{1}{4}$ lb. 60c.

Small Chili. Red conical pods, about 2 inches long, very hot and prolific. Oz. 20c, $\frac{1}{4}$ lb. 60c.

RADISH.

German, Rettich.

The Radish will succeed best in a rich, sandy loam. For early use sow in hot-beds in February or March, and in the open air as soon as the ground can be worked. For a succession sow every two weeks until June. The winter varieties should be sown in August and treated similar to Turnip. 1 oz. of seed will sow a bed 5 by 20 feet.

Non Plus Ultra. Extra Early Scarlet; one of the best for forcing; very small top. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Scarlet Turnip. A small, round, early variety; tender and crisp. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Scarlet Turnip, White Tipped. An early variety; of medium size and handsome appearance. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

White Turnip. Similar to Scarlet Turnip; a few days later. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Vick's Scarlet Globe. Excellent for forcing; early; handsome color; mild flavor. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Scarlet, Olive-Shaped Oval. Flesh rose-colored, tender and brittle. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.



Our Radish Seeds are fine.

Yellow Turnip. A small, yellow variety; used extensively for summer planting. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Golden Globe. An improvement on the Yellow Turnip, being much larger; stands the heat of summer well. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Chinese Rose Winter. Considered the best for winter use; medium size and very tender. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

California Mammoth White. A winter radish, introduced by the Chinese; it is from eight to twelve inches long, white firm and of excellent flavor. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Rosy Gem. The earliest Radish in cultivation; in shape globular, with rich, deep scarlet top, blending to white at the bottom. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Long Scarlet Short Top. Roots long, of a pinkish color; flesh white and of good flavor. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

French Breakfast. A fine early variety; olive shaped; white tipped. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

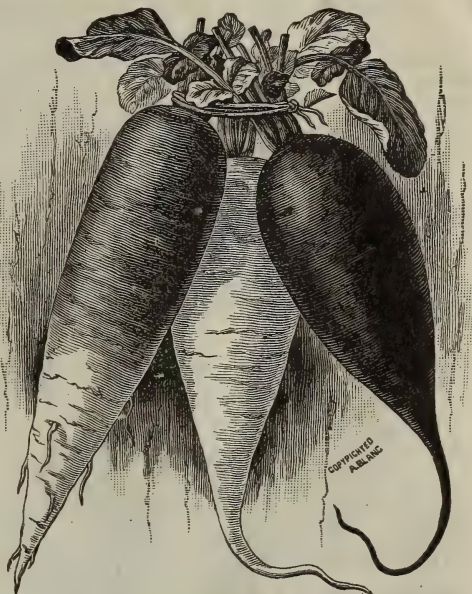
White Box. A favorite round, white variety; a quick grower, and excellent for forcing under glass. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

White Strasburg. A desirable summer variety; large at the top, tapering to a point. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Giant White Stuttgart. A large, globe-shaped Radish, of mild flavor and snow-white skin and flesh; rapid grower; excellent for market gardeners. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.



Chinese Celestial.



Chartier Lady Finger and $\frac{1}{2}$ Long Red.

Chartier. A long Radish, distinct in color from any other sort, being crimson at the top, gradually blending to a pure waxy white; may be grown to a large size before becoming pithy and unfit for use. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Long Black Spanish Winter. Grows to a large size; of oblong shape; quite solid. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Round Black Spanish. Similar to above except in form. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Chinese Celestial. A large white variety, best for autumn. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

RHUBARB (Pie Plant.)

Victoria. The best variety for cooking. Oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

SQUASH.

German, Kuerbiss.

The squash being a tender vine should not be planted until all danger from frost is passed. Plant in hills, the bush varieties about four feet apart, the running kinds from six to nine feet according to their nature. Cutting off the leading shoots of the running sorts is recommended as having a tendency to promote growth and early maturity of fruit. 1 oz. of seed will plant from 40 to 80 hills.

Did you ever try our Radish.



Summer Crook Neck.

Summer Crooks Neck. The best and richest summer squash; early and productive. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Early Golden Bush Scolloped. An early summer variety; well flavored and productive. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Early White Bush Scolloped. Similar to Golden Bush, except in color. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

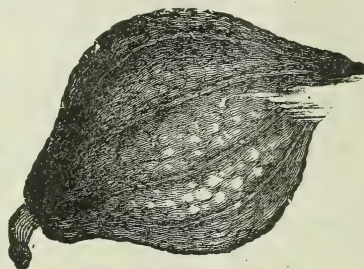
Mammoth Crook Neck. Double the size of the ordinary Crook Neck, often two feet in length; quality good. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Boston Marrow. A standard fall squash, of rich orange color; very productive and keeps well. Oz. 5c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Golden Hubbard. A true Hubbard Squash, except in color, which is a bright orange red; shell warty, hard and strong. The fruits are uniform in size and weighing from 6 to 8 lbs., and same shape as Hubbard; cooks dry and good flavor. Oz. 5c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Fordhook. Oblong in shape, about ten inches long, excellent for baking. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Hubbard. The best of all winter varieties; flesh bright yellow; very sweet and dry; skin green when ripe; an excellent keeper. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 60c.



Hubbard.

SPINACH—German, Spinat.



Bloomsdale Spinach.

For summer use sow early in spring in drills one foot apart. For early spring use sow in August or September, and protect during winter with straw or leaves. 1 oz. of seed will sow 100 feet of row.

Long Standing. Runs to seed later than any other variety. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c.

Round or Summer. The variety most used for early spring planting. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c.

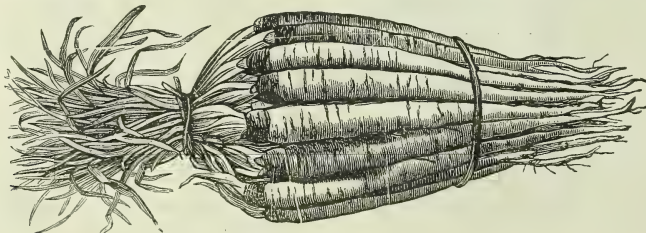
Victoria. Large thick leaves, somewhat curled in the center; very early. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c.

Bloomsdale Savoy. The best variety for fall sowing. It is very hardy and produces thick, dark green leaves of excellent quality. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 25c.

SALSIFY OR VEGETABLE OYSTER—German, Bocksbart.

Select light, rich soil. Sow the seed early in spring, in rows twelve inches apart. When the plants are two or three inches high thin out to six inches from each other in the rows. It is perfectly hardy and may be treated same as parsnips. 1 oz. of seed will sow 50 feet of row.

Mammoth Sandwich Island. A new variety; grows double the size of the ordinary kind. Oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.



Long White Salsify.

Special prices in large quantities.

TOMATOES.

German, Liebesapfel.

Sow the seed in March in a hot-bed. When the plants are two or three inches high, thin them out and set in pots, or set in another bed to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant to the open ground, setting the plants four feet apart each way. The Tomato requires a sunny location and rich soil to produce handsome specimens and a good crop. One ounce of seed will produce 3,000 plants.

June Pink. An extra early variety, coming in with Earliana, of which it is a selection. The fruit, however, has an acme color which, with its earliness, makes it a very desirable acquisition. The fruit is round, grows in clusters, and bears throughout the season. Oz. 25c, $\frac{1}{4}$ lb. 75c.

Spark's Earliana. A new, extra early variety; large size, handsome shape, bright red color; a most profitable variety for the market gardener. Oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Chalk's Early Jewel. Ripens later than Spark's Earliana, but more desirable for home-use, as fruits are thicker through and more solid; color bright scarlet and quality good. Oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Champion Dwarf. A distinct and valuable sort, having a strong main stem, which enables it to support its fruit well up from the ground. The crop ripens up early and evenly. It is a good cropper, smooth, medium in size, Acme in color. Oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



Livingston's Beauty Tomato.

Livingston's Beauty. An early variety; fruit a glossy crimson, growing in clusters of four or five retaining its size until late in the season. Oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Livingston's New Stone. A bright red, perfectly smooth and solid tomato; thicker from stem end to blossom end than most varieties; for all around purposes we consider this the best one in the list. Oz. 15c, $\frac{1}{4}$ lb. 50c; lb. \$1.75.

Atlantic Prize. One of the earliest of all; not only ripens its first fruits, but a large proportion of the crop earlier than any other sort; valuable to all with whom earliness is the main object desired. Oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

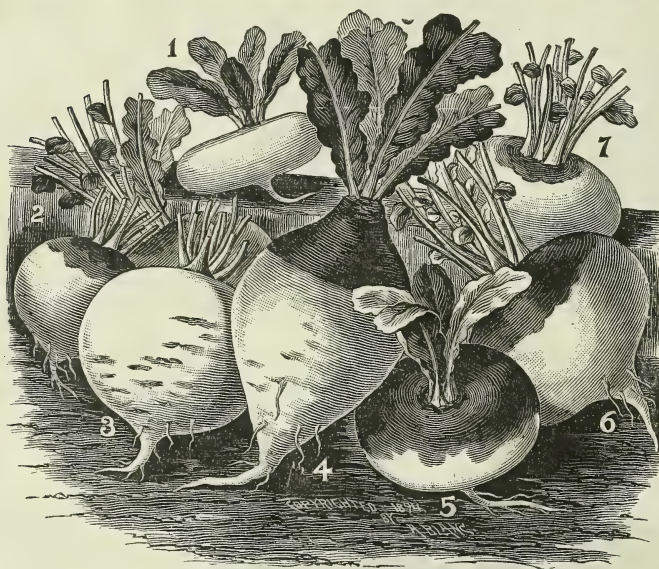
Acme. Very early; color reddish purple. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Yellow Plum. For preserves. Oz. 20c.

TURNIPS.

German, Ruebe.

For early use sow, as early as the ground can be worked in the spring. For fall and winter use the seed should be sown from the middle of July to the middle of August. The seeds should be sown in June, the plants thinned out to six inches in the rows.



Extra Early Milan. A week earlier than any other variety; producing good sized bulbs before others have begun to form. Bulbs white, with purple top, round, flattened and solid, with very slender tap root; the best grown for early market. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Early White Flat Dutch.—White flesh; medium size; quick growth; juicy, and of excellent flavor. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

White Egg. An excellent variety; nearly oval or egg-shaped; flesh firm, fine grained and of snowy whiteness. Particularly desirable for the table. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Purple Top Strap Leaf.—The most popular kind in cultivation; matures quickly; flesh white and sweet. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

White Top Strap Leaf. Similar to purple Top, having white instead of purple top. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Golden Ball. A round, smooth variety, of fine quality; skin bright yellow; good keeper. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Purple Top White Globe. A large, globe-shaped variety; fine for market purposes. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Cowhorn, or Long White. Recommended as a soil renovator, and largely used for that purpose. The roots being long, go deep into the soil and loosen and lighten it up as well as adding a quantity of nitrogen to it. The agricultural papers have explained the value of it as a fertilizer. Oz. 5, $\frac{1}{4}$ lb. 10c, lb. 30c.

RUTABAGA, OR SWEDISH TURNIP.

Laing's Improved Purple Top. The earliest variety; large handsome roots, and good keeper. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Sweet German or Russian. A large, white variety; first-rate keeper, and good either for table or stock. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.

PLANTS.

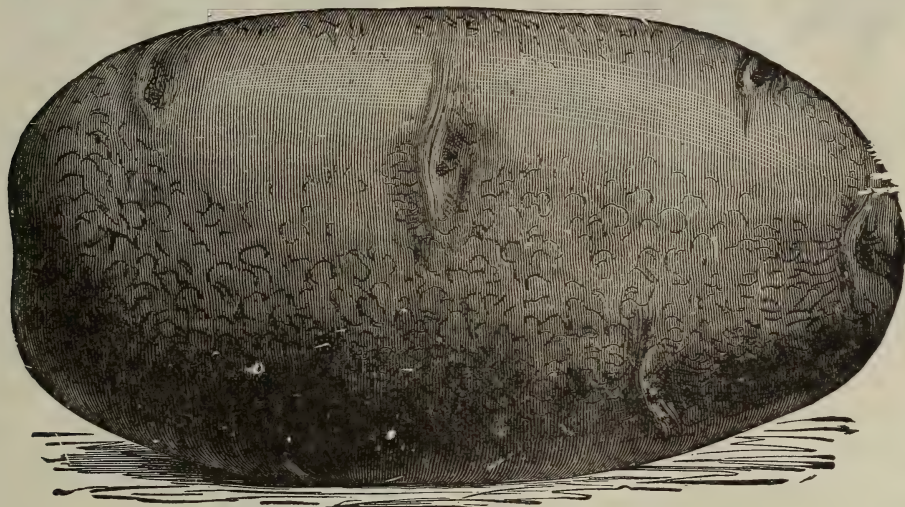
In their season we can supply the following list of Plants:

CABBAGE,	PANSY,	CAULIFLOWER,
VERBENA,	EGG PLANTS,	SALVIA SPLENDENS,
TOMATO PLANTS,	PEPPER,	CELERY,
		CANNAS, Etc.

POTATOES.

Culture.—Any good well drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes, which mature in 8 to 10 weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas; oats; etc., is in best shape for giving a good yield of nice clean Potatoes. Stable manure had better be applied to the land the year before, while some good complete fertilizer, at the rate of up to 1,000 pounds per acre if applied broadcast, or 400 to 600 pounds if applied mostly in the rows, may be used directly for the Potato crop. Open furrows 3 feet apart and 3 to 4 inches deep. Apply the fertilizer, and run the furrower or small plow again in the furrow to mix the fertilizer with the soil and leave a mellow seedbed. Then plant good-sized pieces, each containing not less than 2 or 3 eyes, 15 inches apart in the furrows for early Potatoes, and 18 inches apart for late ones. In some of the large Potato sections the Potatoes are always planted in check rows 3 feet apart each way. Cover with coverer, small plow or other suitable tool. Cultivate often. Spray with Bordeaux Arsenate of Lead Mixture as a protection from the flea beetle, potato beetle, and blight. 8 to 10 bushels will plant an acre.

IMPORTANT.—Prices of Potatoes are subject to market changes. Potatoes are forwarded by express or freight as directed, purchaser paying charges. We assume no risk on Potatoes, which are forwarded strictly on purchaser's responsibility.



Bovee. Earlier than the Early Rose and a much more productive variety. The vine is dwarf and stocky, skin pink or flesh color, presenting a fine appearance, and the quality is all that could be desired. Bu. \$1.00, sack \$2.75.

Early Rose. We sell more of this variety than any other, as it is the leading early sort in almost all sections. The stock we furnish is northern-grown, and has been carefully grown. Bu. \$1.00, sack \$2.75.

Beauty of Hebron. Early; productive; of excellent quality. Bu. \$1.00, sack \$2.75.

Irish Cobbler. One of the first varieties of Potatoes to be ready for market, and therefore will command a good price. The skin is creamy-white, sometimes netted, which is an indication of good quality; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine flavor. Bu. \$1.00, sack \$2.75.

Early Ohio. An old-time favorite; matures early and the Potatoes are fit for use before fully ripe. Bu. \$1.00, bbl. \$2.75.

Carman No. 1. Intermediate in ripening. The flesh is white and quality perfect. Bu. \$1.00, bbl. \$2.75.

Carman No. 3. A reliable late variety large oblong, slightly flattened. Bu. \$1.00, bbl. \$2.75.

Rural New Yorker No. 2. A valuable variety of large size, very smooth, a great cropper and of excellent quality. The tubers grow extremely solid, making a splendid keeper, and the vigorous growth of vine enables it to withstand disease, drought and insects. Bu. \$1.00, bbl. \$2.75.

Sir Walter Raleigh. A seedling of Rural New Yorker No. 2, which variety it resembles. Bu. \$1.00, bbl. \$2.75.

White Giant. A late Potatoe which originated in Erie County, which is a seedling from Carman No. 3 grown from a ball 5 years ago. This will be the second year we have offered them to the trade. The people which grew them last season claim they will yield one-third to one-half more then Carman No. 3, or any late potatoe they have ever grown. They are smooth round similar to carman, but a better eating potatoe in the fall. No one will ever make a mistake in trying them we can refer you to several people who grew them last year and are certainly pleased with them. Bu.\$1.00, bbl. \$2.75.

SWEET AND MEDICINAL HERBS.



Sow the seed of any of the kinds mentioned in the following list in April or May. Keep free from the weeds, and as they come into flower cut the stems and leaves on a fair day, and spread in a shady place to dry for winter use. When cured wrap them in paper to exclude the air, and store them in a place free from dampness.

	pkt.	oz.	lb.		pkt.	oz.	lb.
Anise	5c	10c	\$1.00	Lavender	10c	20c	\$2.00
Basil (Sweet)	5	25	2.00	Marjoram (Sweet)	5	20	1.25
Caraway	5	10	.50	Savory Summer	5	20	1.00
Coriander	5	10	.50	Saffron	5	20	2.00
Dill	5	10	.60	Sage (Broad-leaved).....	5	20	1.25
Fennel (Sweet)	5	10	1.00	Sorrel	5	15	1.50
				Thyme	5	30	2.00

FORMULAS FOR SPRAYING MIXTURES.

Prepared at the Agricultural Station.

BORDEAUX MIXTURE.

Copper Sulphate6 pounds
Quicklime 4 pounds
Water40 gallons

Dissolve the copper sulphate by putting it in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Slake lime in an equal amount of water. Then mix the two and add enough water to make 40 gallons. It is then ready for immediate use. For rots, moulds, mildews and all fungous diseases.

AMMONIACAL COPPER CARBONATE.

Copper Carbonate1 ounce.
Ammonia....enough to dissolve the copper.
Water9 gallons.

The copper carbonate is best dissolved in large bottles, where it will keep indefinitely, and it should be diluted with water as required. For same purpose as Bordeaux.

COPPER SULPHATE SOLUTION.

Copper Sulphate 1 pound.
Water15 gallons.

Dissolve the copper sulphate in the water, when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines use 25 gallons of water. For fungous diseases.

KEROSENE EMULSION.

Hard Soap.....½ pound.
Boiling Water1 gallon.
Kerosene2 gallons.

Dissolve the soap in the water, add the kerosene and churn with a pump for 5-10 minutes. Dilute 10 to 15 times before applying. For insects which suck, cabbage worms, and all insects which have soft bodies.

We carry in stock a complete line of Spraying Apparatus, from 50c up. We would call particular attention to the Lowell's Sprayer Pumps, which are the best in the world.

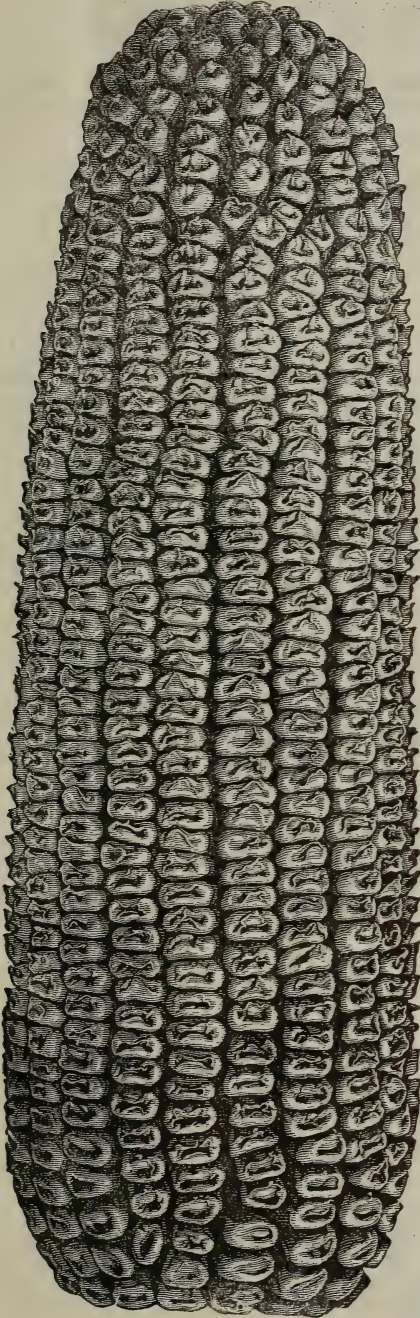
We give strict attention to the selection of our Agricultural Seeds, and only offer such kinds as have proved themselves adapted to the climate of this section. Grains being subject to variation in price, we will be pleased to send samples and market prices of any of the following varieties on application:

BARLEY—Six-Rowed. Very fine Canadian grown. Per bu. \$1.00.

Two-Rowed. For feeding purposes the two-rowed is superior to the six, yielding a third more of both straw and grain. Per bu. \$1.00.

BUCKWHEAT—Japanese. A new and distinct variety; the kernels are at least twice as large as any other variety. Per bu. \$1.00.

Silver Hull. Earlier than the common variety, and yields nearly double under the same conditions. Per bu. \$1.00.



Improved Leaming.

FIELD CORN

FLINT VARIETIES.

Eight Row Yellow. Our famous eight-rowed yellow flint, with ears from 12 to 15 inches long, cannot be equaled; small cob, beautiful bright golden yellow grains. Ripening very early, and good yielder. Pk. 50c, bu. \$1.75.

Early Sanford. An eight-rowed white flint, very desirable for either grain crop or ensilage purposes. We have the true variety. Pk. 50c, bu. \$1.75.

King Philip. Copper colored with long, slim ears. An old standard variety. Pk. 50c, bu. \$1.50.

Longfellow. Extra long ears of bright yellow color; very attractive. Pk. 50c, bu. \$1.75.

Smutnose. A good old-fashioned variety with tips of ears stained red. Pk. 50c, bu. \$1.75.

The price of field corn is so uncertain that prices are subject to change.

Imp. Leaming. This is an improvement of the old Leaming mostly grown for Silows in this section of the country in any kind of a season it will ripen. Price per bu. \$1.25.

Pride of the North. An early Dent variety introduced several years ago, and as popular today as ever. We have the genuine variety. Bu. \$1.25.

Early Yellow Dent. A cross from Pride of the North, and somewhat earlier than that excellent variety. Probably no corn in cultivation will outshell it, 70 lbs. of ears having shelled out 64½ lbs. of shelled corn. It has a beautiful yellow color, and will give the grower the greatest satisfaction. Per pk. 40c, bu. \$1.50.

White Cap Yellow Dent. Claimed to be 10 days earlier than the Leaming; and on poor, thin soil to outyield that variety by 25 per cent. The tip end of the grain is white and the inside yellow, which combination gives it a most beautiful appearance. Expert corn growers pronounce it a perfect field corn. Bu. \$1.50.

Early Mastodon Corn. Originated with C. S. Clark, of Huron County, Ohio, to meet a demand for a large eared yet early corn.

The Mastodon Corn has the longest grains and largest ears of any 100 day corn in cultivation and will out-yield any corn in the world. In the celebrated American Agriculturist corn contest it far out-yielded every other yellow corn in America. Bu. \$1.50.

Iowa Gold Mine. A very deep-grained variety of a bright golden yellow; small cob, shelling out large quantities of corn. Bu. \$1.25.

Red Cob Ensilage. A large white corn with red cob; stalks especially sweet, tender and juicy; has short joints, abundance of leaves and grows to a great height; a perfect ensilage corn. Per bu. \$1.25.

Cuban Giant Ensilage (new.) A perfect ensilage corn. Having the creamy quality of the Tuscarora Corn, and the growth and rankness of the Red Cob Ensilage. Per bu. \$1.25.

RYE—Excelsior Spring. Shorter straw than winter. Price, \$1.50. bu.

KAFFIR CORN. This plant grows low, stocky and perfectly erect; a good green food at all stages of its growth, and cures into excellent fodder. Lb. 5c, per 100 lbs. \$3.00.

BROOM CORN—Improved Evergreen. Qt. 20c.

VETCHES, OR TARES. A species of pea, grown for fodder; should be sown with oats, which prevents lying on the ground.

—Spring. Per lb. 4c.

—Winter or Hairy. Per lb. 8c.

SPELTZ. A cereal somewhat resembling rye, yields enormous crops of green fodder if cut early, or may be left to ripen its grain, which is of great feeding value and relished by all kinds of stock, while the straw is said to equal timothy hay. Its stooling qualities are very pronounced, which characteristic makes it one of the greatest yielders of forage yet produced. Should be sown at the rate of 60 lbs. per acre, as soon as the ground can be worked in the spring. Per bu. \$1.00.

RAPE—Dwarf Essex. Grown extensively for forage, especially for sheep. Sown in June or July, it yields a bounteous fall pasturage, on which sheep and young stock fatten with marvelous rapidity. If sown broadcast, about 5 lbs. per acre will be required; if drilled, considerably less will do. We have the true Essex Dwarf, which should not be confounded with the worthless annual. Per lb. 10c, 100 lbs. \$8.00.

SUGAR CANE—Early Amber. Used largely for fodder; rich in saccharine, and the best of dairy foods. Lb. 5c, per 100 lbs. \$4.00.

COW PEAS.

The Great Soil Improver.

Makes poor land rich and rich land better. For this purpose the Cow Pea is very popular, especially for light soil. There is no surer or cheaper method of improving worn-out soil than with Cow Peas. They add large quantities of nitrogen to the soil and leave it in good shape for the following crop. There are several varieties, and we carry the three best adapted to the northern climates:

Whip-poor-will, the most popular.....	Market Price.
Clay, not so early as above.....	" "
Black Southern.....	" "
PEAS—Canada Field. Market price.	

MILLET.

Valuable as catch crop. When grass is short may be sown up to the end of June or middle of July, and produce a good crop of hay.

Golden. Good early variety. Market price.

German. Larger than above. Market price.

Siberian. Introduced from Russia. Market price.

Broom Corn (or Hog.) Valuable for hog and chicken feed. Market price.

Early Fortune. Similar to above. Red seed. Market price.

Japanese. Comes from Japan; the largest variety of all; grows from 6 to 8 feet high, yielding immense quantities of feed. Market price.

Hungarian Grass. Similar to the millets. Market price.

ALFALFA, OR LUCERNE CLOVER.

The cultivation of Alfalfa is lately becoming of wide spread interest. There has been an enormous impression that it could only be grown in certain favored localities, but this idea has been exploded, and with proper treatment and the right seed, success is certain. The crop may be cut from 3 to 4 times a year, producing from a ton to a ton and a half at each cutting. By raising it the farmer not only produces large quantities of forage, but at the same time he is enriching his fields for future crops, as it is a great nitrogen gatherer. The matter of SEED is of the greatest importance. We secure our supply from Canada, only a few miles from Buffalo, and it is, therefore, acclimated and much superior to seed that is grown in Utah or Kansas, the usual source of supply. We have submitted samples to the Government and they have reported it pure, and we are, therefore, able to furnish the most desirable seed that can be obtained. Per bu. \$12.00.

OATS.

Henderson's Chysdale. The largest and heaviest grain-oat in existence, weighing 40 lbs. to the bushel and yielding 100 bushels to the acre; tall, stiff straw, always standing up well; free from rust and smut they cannot be excelled. We want you to try them and be convinced of their merit. Per bu. 75c.

Dakota White. A variety, with extraordinary large plump grain of beautiful appearance. Last season they yielded 60 bu. per acre under ordinary cultivation, while the straw grew five feet high. So far they have shown no inclination to rust and are a most desirable acquisition. Per bu. 70c. Send for sample.

GOLDEN CLUSTER OATS.

This grand new variety is a valuable acquisition. It is very productive, growing with a strong, stiff straw from three to four feet high, standing up through the severest storms and stooling freely. Grains very heavy and distributed around the entire head, making it an enormous yielder. It is an excellent variety to sow with Peas or Vetches, the strong straw holding them well up from the ground and making a fine green fodder. The grain is very heavy, weighing nearly forty pounds to the measured bushel and of splendid feeding qualities. Bu. \$1.00.

Ask for Prices on Quantities.



Golden Cluster.

CLOVER AND GRASS SEEDS



Clover Crimson.



Timothy.

No seeds vary so much in quality or require more discrimination in buying. We exercise the greatest care in their selection, and offer only the best that can be procured, all carefully cleaned and free from noxious weeds. Special prices will be quoted on large quantities on application.

Alsike. Native of Sweden; perfectly hardy; does not heave in winter. Unsurpassed for bees. Price \$8.50.

Medium Red. The common variety. Price \$9.50.

Mammoth Red. Stock true and prime. Price \$9.50.

Crimson. An annual with crimson flowers; valuable as a fertilizer; sown in late summer after early crops are taken off; will produce a heavy growth to turn under the following spring. Price variable.

White Dutch. Valuable for lawns and pastures. Lb. 25c.

Timothy. Per bu. \$2.25.

Fancy Red Top. Cleaned from chaff. Per lb. 20c.

Kentucky Blue Grass (*Poa pratensis*). Thrives on a variety of soils. Valuable for lawns. Per lb. 20c.

Orchard Grass (*Dactylis glomerata*). The most valuable and widely known pasture grass. Per bu. \$2.25.

Bromus Inermis. A coarse, rank growing grass, resisting drouth and very permanent. Per lb. 15c.

Sweet Vernal (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor; should be in every mixture for lawns; true. Lb. 50c.

Hard Fescue (*Festuca duriscula*). Thrives well in dry situations, where many other grasses would fail. Lb. 20c.

Perennial Rye Grass (*Lolium prene*). The staple grass of Great Britain, entering largely into the composition of many of the richest meadows and pastures. Per lb. 15c.

Meadow Fescue (*Festuca pratensis*). The most important species of the fescues; highly valuable for permanent grass lands, both for spring and autumn. Per lb. 10c.

Wood Meadow (*Poa nemoralis*). Well adapted to shady situations; growing readily where others refuse to thrive. Lb. 40c.

Meadow Fox Tail (*Alopecurus pratensis*). One of our best grasses for permanent pastures; stands the heat of summer well. Lb. 20c.

Theilmann's Special Pasture Mixture. A good pasture mixture should consist of permanent grasses, mixed in proper proportions, to insure a luxuriant growth throughout the season. Our Special will meet the average need, and for all ordinary conditions will be found entirely satisfactory and make a bounteous supply of feed, where Timothy alone would prove an absolute failure. It should be sown at the rate of two bushels per acre. Per bu. of 16 lbs. \$1.75.

FLOWER SEEDS.

ABRONIA. Pretty trailing plants, bearing clusters of fragrant Verbena-like flowers. Valuable for hanging baskets or vases. Half hardy annuals.

—Mixed, 3c per pkt.

ADONIS. The flowers of this class are not numerous, but they are very showy, and grow freely in any soil. Hardy annuals.

—Mixed, 3c per pkt.

ALYSSUM. One of the most elegant and useful little flowers cultivated, blooms continuously through the summer and survives the first hard frosts. Hardy annuals.

—Sweet, pure white, very fragrant. 3c per pkt.

ASTER. This beautiful and popular class of hardy annuals stands unrivaled as autumn-blooming plants. 3c per pkt.

—Ostrich Feather (New). Flowers very large with long loosely curled petals; beautiful. 3c per pkt.

—Aster (Queen of the Market). The earliest flowering of all Asters; largely used for market, and also excellent for pots. 3c per pkt.

White, 3c per pkt.

Mixed, 3c per pkt.

—Comet. A beautiful and distinct variety, with curled and twisted petals, resembling the Japanese Chrysanthemums.

White, 3c per pkt.

Pink, 3c per pkt.

—Paeony Flowered Perfection. The most perfect and beautiful variety grown; densely double.

White, 3c per pkt.

Crimson, 3c per pkt.

Light Blue, 3c per pkt.

Rose, 3c per pkt.

Mixed, 3c per pkt.

—Dwarf Chrysanthemum. The flowers are full, Chrysanthemum shaped, and produced in clusters; an excellent sort.

Violet, white edge, 3c per pkt.

Mixed, 3c per pkt.

—Samples Branching.

White, 3c per pkt.

Pink, 3c per pkt.

Lavender, 3c per pkt.

Mixed, 3c per pkt.

BACHELOR'S BUTTON. (Centaurea Cyanus.) Pretty flowers, in bloom all summer, in shades of blue, pink and white mixed. 3c per pkt.

BALSAM. (Lady's Slipper.) A beautiful and popular class of plants. Tender annuals. 3c per pkt.

—Camelia-flowered, pink, scarlet and white. 3c per pkt.

—Camelia-flowered, large double mixed. 3c per pkt.

CALLIOPSIS. One of the best hardy annuals; colors rich; flowers numerous and beautiful.

Mixed, all colors, 3c per pkt.

—Mixed, double, 3c per pkt.

CANDYTUFT. (Iberis.) An old and universal favorite; almost indispensable for bouquets.

—New Carmine, rich deep rose, 3c per pkt.

—Sweet Scented, pure white, 3c per pkt.

—Empress, pure white, long spikes, 3c per pkt.

—Purple, 3c per pkt.

—Mixed, all colors, 3c per pkt.

CARNATION. The most magnificent of all the Dianthus family; flowers large, beautiful and delightfully fragrant. Half hardy perennials.

—Carnation, German, double, mixed. 3c per pkt.

—Grenadine red, 3c per pkt.

—Marguerite. Unlike the ordinary Carnation, this variety blooms the first year; those sown in spring commence flowering in latter part of summer. They can be potted and taken into the house, and will flower abundantly throughout the winter. 3c per pkt.

CANTERBURY BELL. (Campanula.) This is one of the most useful and well known plants. Hardy perennials.

—Double Mixed, 3c per pkt.

—Single Mixed, 3c per pkt.

COCKSCOMB. (Celsia.) Beautiful, free flowering, graceful annuals, which for fine effect take the front rank in annual plants.

—Mixed, all varieties, 3c per pkt.

CALIFORNIA POPPY. (Eschscholtzia.) An exceedingly showy class of profuse flowering plants. Hardy annuals.

Mixed, all good varieties, 3c per pkt.

CHRYSANTHEMUM. The tall, double annual Chrysanthemums are among the most showy of summer flowering plants.

—Double White, 3c per pkt.

—Mixed, all the best varieties, 3c per pkt.

CASTOR-OIL-PLANT. (Ricinus.) One of the most stately and ornamental large plants cultivated. Looks best grown as single specimens. Half hardy annual.

—Zanzibariensis, a new African giant variety, surpassing all others in size and beauty. The leaf is sometimes two feet across, while the stem will reach a height of ten feet. 3c per pkt.

—Sanguineus, blood red, eight feet, 3c per pkt.

COSMOS. One of our most beautiful autumn flowering plants, growing to a height of four or five feet, and giving an abundance of blossoms after all others are done.

- Pure White, 3c per pkt.
- Mixed Colors, 3c per pkt.

DOUBLE DAISY (Bellis). Pretty little well known border flowers; a cold frame in winter and north border in summer will insure plenty of plants.

- Longfellow, double red, 3c per pkt.
- Double White, 3c per pkt.
- Bellis Perennis, fil. pl., choice mixed double, 3c per pkt.

EVERLASTING FLOWER. (Helichrysum.) An exceedingly handsome class, and of the greatest value for winter bouquets; the flowers should be cut before they are fully expanded. 3c per pkt.

FORGET-ME-NOT. (Myositis.) A charming and interesting perennial of easy culture, growing freely in any moist situation.

- Victoria, dwarf variety with very large flowers, 3c per pkt.
- Palustris, true forget-me-not, 3c per pkt.

FOUR O'CLOCK. (Mirabilis.) The old and well known Marvel of Peru; a beautiful plant of fine habit, glossy foliage and fragrant flowers. Hardy annual.

- Variegated leaved, 3c per pkt.
- Mirabilis Jalapa, best mixed, 3c per pkt.

FOX GLOVE. (Digitalis.) Very effective and showy plant with dense spikes of flowers on stems three or four feet high. Hardy perennials.

- Fine Mixed, all good varieties, 3c per pkt.

FLAX. (Linum.) A handsome variety of free flowering annuals, deserving a place in every garden. 3c per pkt.

- Grandiflorum Rubrum, crimson, 3c per pkt.

GOURDS. A highly interesting class of ornamental climbing plants, with fruit of singular shape, color and markings.

- Calabash, or dipper, 3c per pkt.
- Orange, known as mock orange, 3c per pkt.
- Gooseberry, small, bright green, 3c per pkt.
- Mixed, all varieties, 3c per pkt.

HOLLYHOCK. This old garden flower has much improved of late, and is becoming a greater favorite every year. The flowers being large and stems erect, the plants look best when grown at the back of a border. Hardy biennial.

- Double Yellow, 3c per pkt.

- Double White, 3c per pkt.

- Double Pink, 3c per pkt.

- Double Purple, 3c per pkt.

- Double Mixed, 3c per pkt.

HIBISCUS. A showy ornamental class of annuals. The flowers are large and of beautiful color.

- Best Mixed, 3c per pkt.

HELIOTROPE. A general favorite for its delicious fragrance, 3c per pkt.

LARKSPUR. (Delphinium.) Beautiful showy plants from one to three feet in height. Excellent for background. Double mixed, 3c per pkt.

MARIGOLD. (Tagetes.) One of the universal favorites; the only element they lack of being a perfect flower being the odor.

- African, double mixed colors, tall, 3c per pkt.

- French, double mixed colors, dwarf, 3c per pkt.

MIGNONETTE. (Reseda.) One of the most universal favorites in cultivation, because of its delicate fragrance.

- Common Sweet Scented, 3c per pkt.

NASTURTIUM DWARF.

- King of Tom Thumb, scarlet, 3c per pkt.

- King Theodore, crimson, 3c per pkt.

- Ruby King, carmine flowers, 3c per pkt.

- Yellow, bright, 3c per pkt.

- Pearl, white, 3c per pkt.

- Mixed, all colors, 3c per pkt.

PANSY. Commonly called Heartsease. This universal favorite is so well known as to render any description superfluous. 3c per pkt.

- World's Best, a superb mixture, 3c per pkt.

- Separate Colors, 3c per pkt.

- German Mixed, 3c per pkt.

PINK. Very closely related to the Carnation and Picotee, but more vigorous and hardy. Hardy perennial.

- Pink, finest single mixed, 3c per pkt.

- Pink, finest Scotch, mixed, 3c per pkt.

- Double Grass, 3c per pkt.

- Chinese Pink, double mixed, 3c per pkt.

PETUNIA. A plant of easy, vigorous growth, producing flowers in great abundance all the season.

- Finest Hybrid, 3c per pkt.

- Double Mixed, 3c per pkt.

PHLOX DRUMMONDII. For variety, brilliancy of color, and constant show there is no flower that equals the Phlox. Half hardy annuals.

- Separate Colors, 3c per pkt.

- Mixed, all colors, 3c per pkt.

- Star of Quedlinburg, a striking novelty; the petals are elongated, running out into five points, giving it a star-like appearance. Beautiful. 3c per pkt.

- Perennial, perfectly hardy, 3c per pkt.

POPPY. (*Papaver*. Very showy, hardy plants, producing immense flowers of brilliant color; succeed well in any good garden soil.

—**Carnation-flowered**, double mixed, 3c per pkt.

—**Iceland**, 3c per pkt.

—**Paeony-flowered**, double mixed, 3c per pkt.

Danebrog, scarlet, with white cross in the center. 3c per pkt.

—**Oriental**, (hardy). 3c per pkt.

—**New Shirley**. The flowers of this new variety are unsurpassed for grace and beauty. Colors running from blush and white to rose and crimson, but no scarlet, 3c per pkt.

—**Double**, all best varieties, 3c per pkt.

PORTULACA. Low growing, neat plants, producing a profusion of brilliant, richly colored flowers. Succeed best on dry, gravelly soil. Half hardy annuals.

Single, mixed, 3c per pkt.

—**Double Rose-flowered**, 3c per pkt.

STOCK. The Ten-week or annual Stock present nearly all the requisites of a perfect flowering plant; beautiful flowers, de-

lightful fragrance, early flowering and abundance of flowers.

—**Large Flowering Dwarf**, mixed, 3c per pkt.

—**Large Flowering Dwarf**, white, 3c per pkt.

SWEET WILLIAM. (*Dianthus Barbatus*.)

Hardy perennials, one of our most desirable perennials, of various colors, mixed, 3c per pkt.

SUNFLOWER. (*Helianthus*.) Dwarf, double, 3c per pkt.

SCARLET RUNNER BEAN. A popular climbing plant with spikes of showy, scarlet flowers. Will bloom profusely all summer. Oz. 10c, per pkt. 3c.

VERBENA. A well known bedding plant, producing a profusion of flowers.

—**Defiance**, deep scarlet, 3c per pkt.

—**Mixed**, all colors, 3c per pkt.

WALL FLOWER (*Cheiranthus*). Pretty little flowers, somewhat resembling Ten-week Stock. 3c per pkt.

ZINNIA. One of the most brilliant and desirable annuals cultivated.

—**Zinnia Elegans**, double, very choice, 3c per pkt.

—**Named Varieties**, each, 3c per pkt.

ORNAMENTAL CLIMBERS.

SCARLET RUNNERS. A popular climbing plant with spikes of showy scarlet flowers. Continuous bloomer. 8 to 10 ft. Pk. 3c.

WILD CUCUMBER. One of the most rapid climbers we have for quickly covering verandas, trellises, etc.; they are unequalled. After once started will seed themselves year after year. 10 to 15 ft. Pkt. 3c.

CYPRESS VINE. (*Ipomoea quamoclit*.) Graceful climber with dark green foliage and star-shaped flower. 7 ft. Pkt. 3c.

GOURDS. Very useful in covering arbors, fences, etc., while the fruit is both ornamental and useful. 10 to 40 ft. Mixed, 3c.

MORNING GLORY. Known everywhere, a new variety (Japanese Giant) although flowering somewhat later than the ordinary kind, is a royal acquisition with its immense and gorgeous colored flowers. Morning Glory, Mixed, 3c. Japanese, Mixed, 3c.

MOON FLOWER. (*Ipomoea*.) A rapid climber with immense white flowers from 5 to 6 inches in diameter. Blooms at night, hence its name. 20 ft. Pkt. 3c.

NASTURTIUM. This old time favorite has been improved by cross-breeding until its variation in coloring in both flowers and foliage are marvelously beautiful. There is no flower (excepting perhaps the Sweet Peas) which gives such large returns for so little care. It continues to bloom throughout the summer till stopped by frost. Scarlet, 5c; Dark Crimson, 5c; Orange, 5c; Pearl, Cream White, 5c; Mixed, all colors, 5c.

SWEET PEAS.



NAMED VARIETIES.

Aurora. Bright orange stripes and flakings on a white ground. Oz. 5c.

Black Knight. Deep maroon; self-colored. Oz. 5c.

Blanche Ferry. Large pink and white flowers, very early. Oz. 5c.

Blanche Burpee. Pure white, extra large flowers. Oz. 5c.

Blushing Beauty. Soft pink, suffused with lilacs. Oz. 5c.

Captain of the Blues. Bright purple and pale blue. Oz. 5c.

Captivation. Beautiful light magenta or claret color. Oz. 5c.

Countess of Radnor. Standard delicate lavender, wings dark mauve. Oz. 5c.

Emily Eckford. Distinct purplish mauve. Oz. 5c.

Emily Henderson. Pure white. Oz. 5c.

Firefly. A deep, brilliant scarlet; truly a fiery shade. Oz. 5c.

Her Majesty. Soft rosy pink, extra large flowers. Oz. 5c.

Katherine Tracy. Delicate rose pink, Oz. 5c.

Navy Blue. Largest size; deep violet blue. Oz. 5c.

Primrose. Pale primrose yellow. Oz. 5c.

Prince Edward of York. Standards cherry rose, wings, Jacqueminot. Oz. 5c.

Stella Morse. Rich primrose, flushed pink. Pkt. 5c. oz. 10c.

Choice Mixed. All of the foregoing varieties. Oz. 5c, ¼ lb. 20c, 1b. 50c.

BULBS FOR SPRING PLANTING.

BEGONIA, "TUBEROUS ROOTED." A beautiful plant for massing in beds; from the time the first blossoms appear they are never out of bloom til stopped by frost; should be planted in partial shades. White, yellow, scarlet, or pink. Each 5c, doz. 50c.

CANNA. The most satisfactory bedding plant we have. The dwarf French varieties are especially beautiful, bearing large flowers of most brilliant colors.

—Madam Crozy. Bright crimson edged with gold. Each 10c.

—Paul Marquant. Salmon colored; very beautiful. Each 10c.

—Austria. Bright yellow. Each 10c.

—Max Michelli. Bronze-leaf; very attractive. Each 10c.

—Mixed. Several good varieties. Each 10c.

CALADIUM ESCULENTUM. Magnificent foliage plants sometimes called Elephant Ears. Leaves sometimes a yard long and half as wide. Large sound bulbs 10c each, \$1.00 per doz.

DAHLIAS. Old time favorites, of almost every color imaginable except blue. We have a good assortment. 10c each, \$1.00 per doz.

GLADIOLUS. No flower surpasses the Gladiolus in beauty of form and range of color. Plant from last of April to the midde of June. When the flower stock appears a copious supply of water will increase the size of the spikes.

—White and Light. Per doz. 25c.

—Striped and Variegated. Per doz. 25c

—Yellow. Per doz. 25c.

—John Bull. White tinged with yellow. Per doz. 25c.

—Napoleon III. Scarlet striped white. Per doz. 25c.

—Ceres, Pure White. Spotted purplish rose. Per doz. 25c.

PAEONIES. Magnificent hardy plants. Should be planted in a permanent place, as they do not thrive if disturbed.

—White, Rose or Crimson. Each 15c.

TUBEROSE. One of the most delightfully fragrant and beautiful flowering summer bulbs. Our stock has never been flowered and will be sure to bloom.

—Excelsior Dwarf Pearl. Each 3c, doz. 20c.



Cannas.

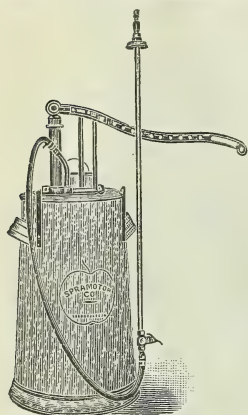
SPRAYING OUTFITS.

A WORD ABOUT SPRAYING.

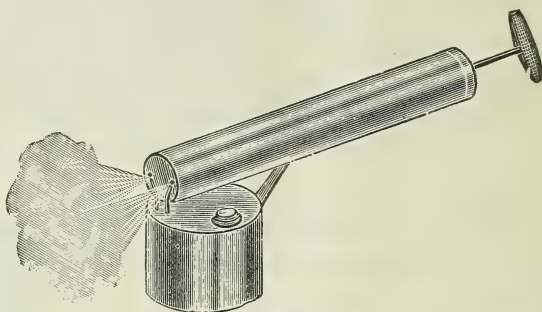
Everyone is now familiar with the absolute necessity of spraying fruit trees. Without it your crop of fruit will prove an absolute failure; with it a success. You cannot afford to overlook this fact, because it affects your pocket. To properly perform the work you need a pump that will do just what you expect it to do, "and do it easy." We have them that will throw anything, from a solid stream, a gentle rain, or a fog. You can change instantly from one to the other with a twist of your thumb.

THE BEST IN THE WORLD.

We haven't room to go into details, and only give a few illustrations below. Send for complete catalogue.



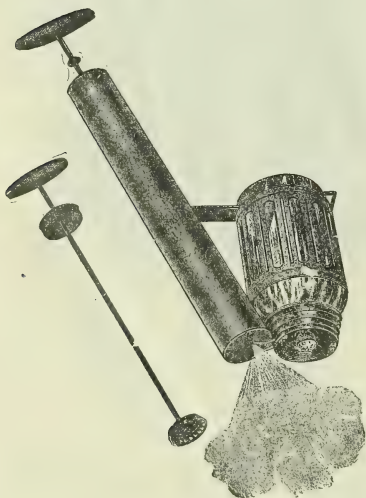
Price, \$13.00.



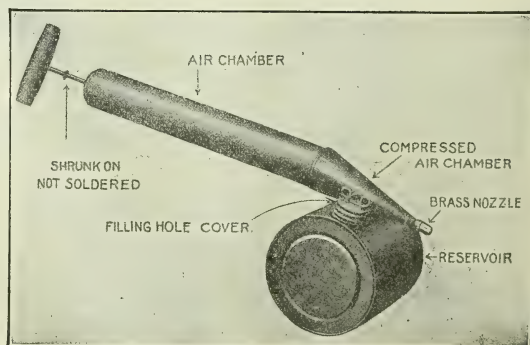
Price, 50c.



Price, \$4.50.



Price, 75c.



Price, \$1.00.

Try our Bordeaux Mixture, in powdered or liquid Form, ready to use.

FERTILIZERS OF ALL KINDS.

We carry a full line of different kinds of Fertilizers. We can save you some money by buying from us. Our goods are all put up in 100-pound bags, so it is easy to handle. Let us figure with you on your wants. Below is a special brand we are handling for the different crops, which we think is second to none.

Our product is manufactured from flesh, bone, blood and fish offal, which we receive in large quantities, and our chemicals are the best that can be secured. Furthermore, we will guarantee our Fertilizers to be absolutely free from make-weights and adulterations.

WIZARD BRAND MANURES

Are the best for the Lawn, Flower Garden, Vegetable Garden, Green house, Nursery, Orchard, Vineyard, Small Fruits, Berries and all general fertilizing. Efficient, economical and easily applied.

Maximum good at minimum expense. Improves the soil as well as the plant.

PULVERIZED SHEEP MANURE.

The supply of raw material for our Wizard Brand Sheep Manure is taken from immense roofed and paved sheep barns direct to our plant, where it is reduced immediately by our special process. This fact alone adds much to its value as a Fertilizer, as no manure leaches and burns so quickly as sheep manure when piled up and exposed to the weather. Per 100 lbs. \$1.50.

PULVERIZED HOG MANURE.

The Chicago Union Stock Yards handle upwards of 7,200,000 hogs a year. These are housed in two-story, roofed and paved pens which are cleaned regularly and the manure delivered to our plant immediately, never being piled up and exposed to the weather. It is manufactured by the same careful process as our other Pulverized Manures and is kept strictly separate and pure. Price, \$1.50 per 100 lbs.

SHREDDED CATTLE MANURE.

This product has attracted wide interest and is supplying an extensive demand among growers of all kinds, Architects, Public Park Systems, Gardeners and Private Home Owners. That it is proving highly satisfactory is shown by the many repeat orders continually coming to us. Price, \$1.25 per 100 lbs.

LOWELL FOUNTAIN COMPRESSED AIR SPRAYER.

Patented December 3, 1901. Aluminized.

BETTER THAN EVER.

It is devoid of complex or intricate parts and is the easiest understood Compressed Air Sprayer in the world.

It is both automatic and positive in its action. Price, \$5.00.

One charge is sufficient to expel entire contents of tank.

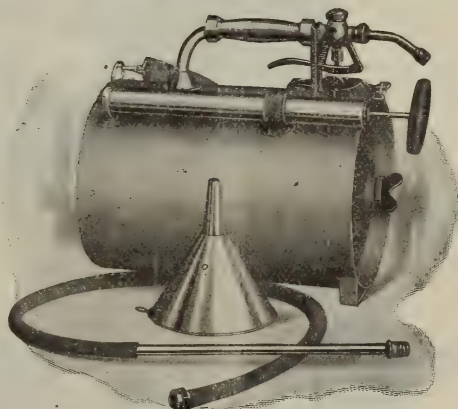
Each sprayer is thoroughly tested with both air and water pressure.

Machine can be easily washed and aired after using.

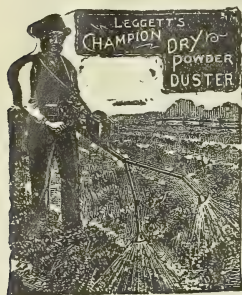
It is so simple in construction that a child can operate it.

Tree attachment and funnel for fillings with brass wire strainer with each machine. Strongest Air Pressure Sprayer made—will stand five times the air pressure necessary to operate. Convex heads, seamed and soldered. Capacity of tank, 3 gallons. Handy to carry shoulder strap with each machine.

Made in brass and galvanized steel. Aluminum finish.



Leggett's "Champion" Dusting Machine.



Price, \$7.50.

Reg. U. S. Pat. Office.

FOR DISTRIBUTING

DRY INSECTICIDES AND FUNGICIDES.

Paris Green, Helebores,
Sulphur, Lime, Dry Bordeaux Mixture, Bordeaux
and Paris Green Compound, Dust etc.

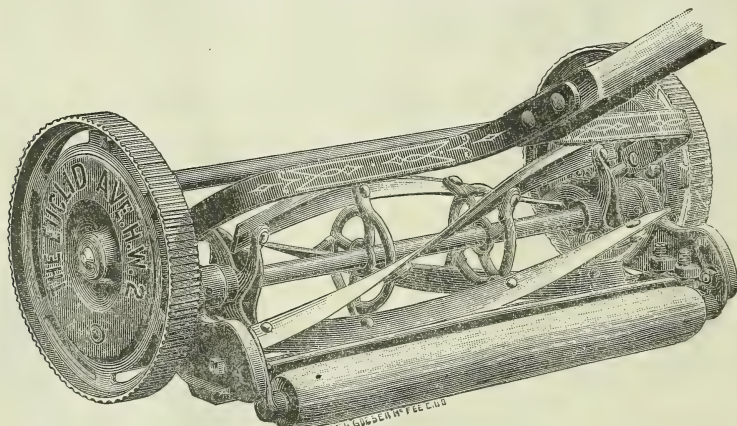


Price, \$7.50.

Theilmann's RELIABLE LAWN MOWERS.

We carry a good stock of them on hand and prices are right. Send for Pamphlet on same.

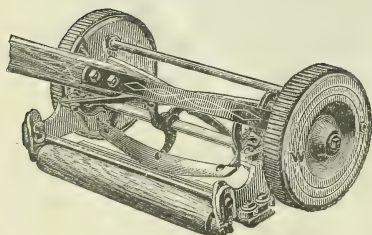
EUCLID AVE. HIGH WHEEL.



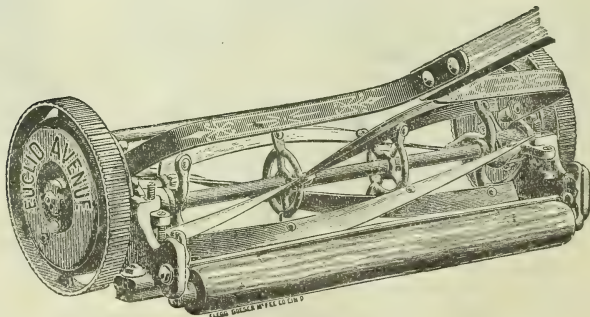
Price, \$7.50.

EUCLID AVE.

RAPID.

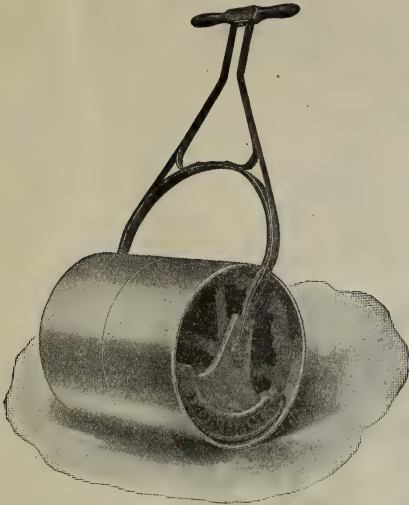


Price, \$3.00.



Price, \$4.50.

The proper care of a Lawn and Du.ham Roller Bearing Lawn Rollers will do it.



Price, \$7.50.

DIBBLERS.



Price, 25c.



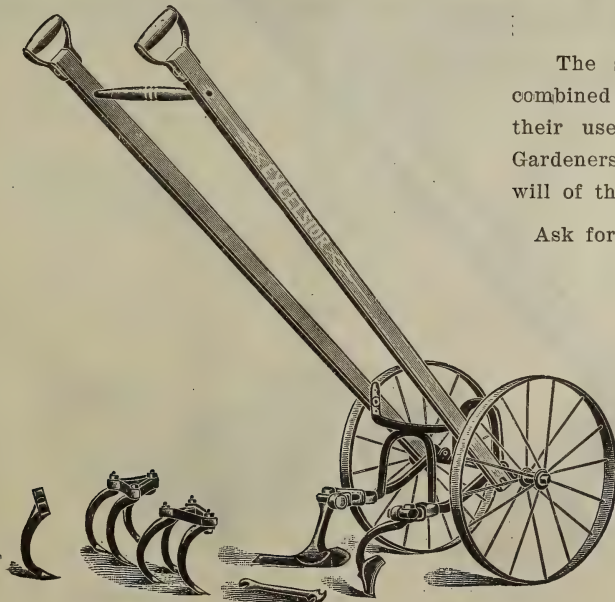
Price, \$1.00.

PRUNING SHEARS.



Price, \$1.25.

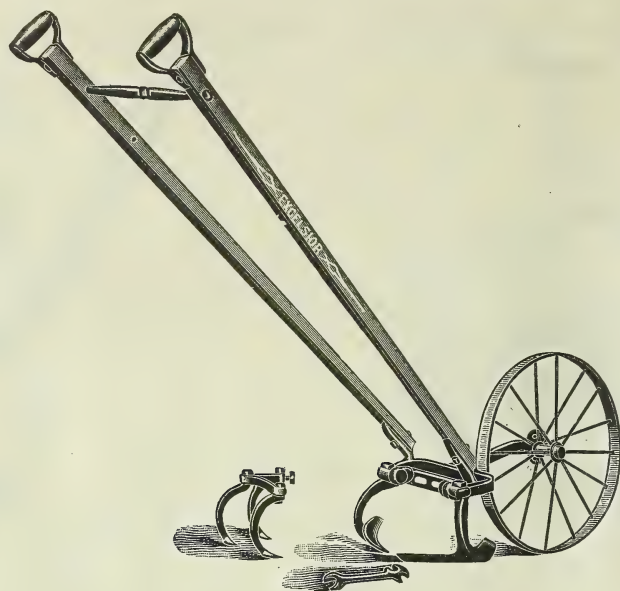
GARDEN IMPLEMENTS.



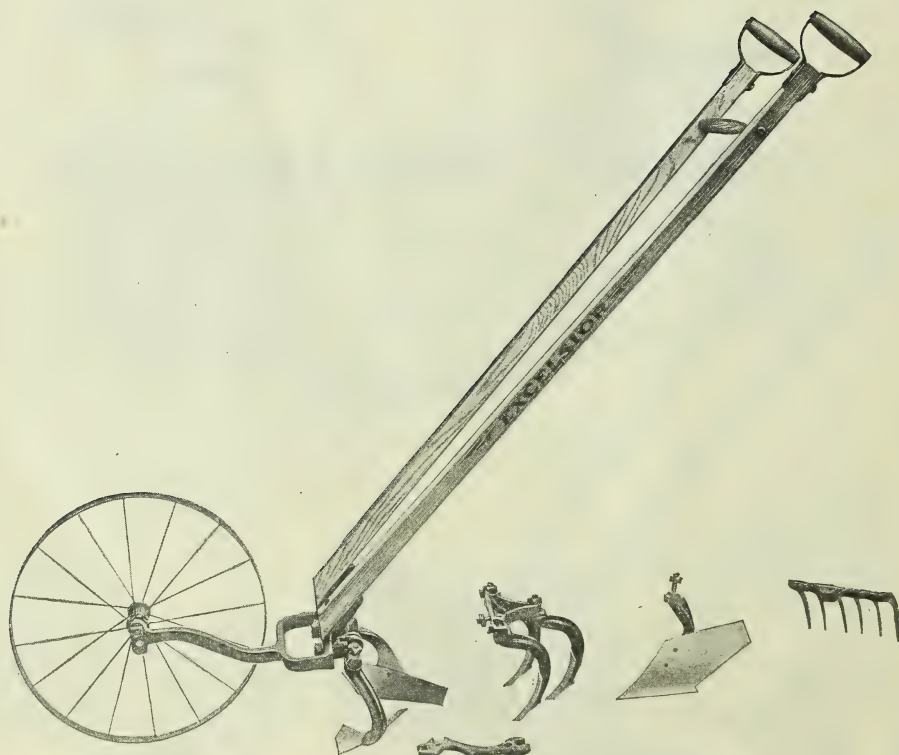
The simplicity and completeness of the combined implements, in all their forms, make their use practical, even with the busiest Gardeners. Will sow in hills, or drills at the will of the operator.

Ask for catalogue describing them in detail.

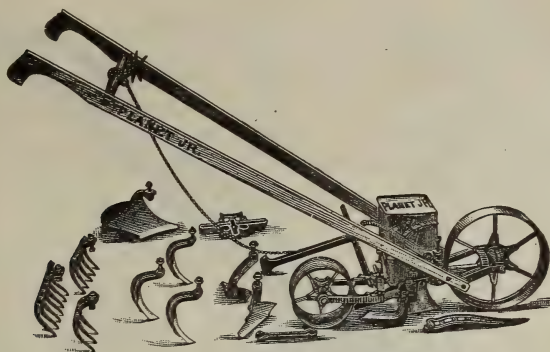
Price, \$5.00.



Price, \$3.50.



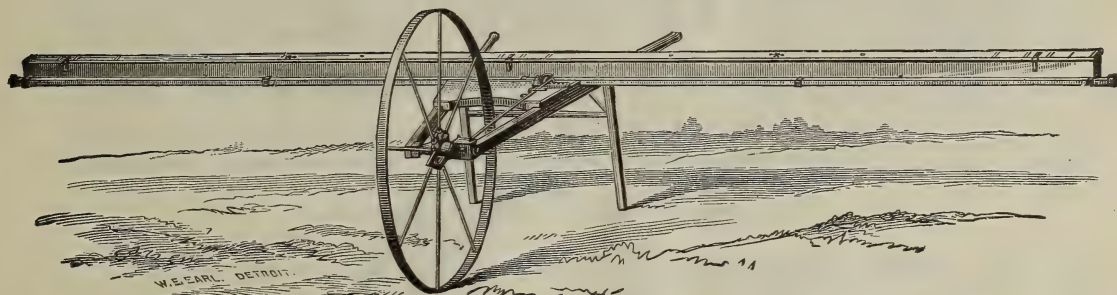
Price, \$7.00.



No. 27, Complete, \$11.00.



XXX, Complete, \$7.00.



The National Wheelbarrow Clover and Grass Seeder. Steel wheel hopper. Sows fourteen and sixteen feet. Price of Seeder, 14 ft. box, \$5.00. Price of Seeder, 16 ft. box, \$5.50.

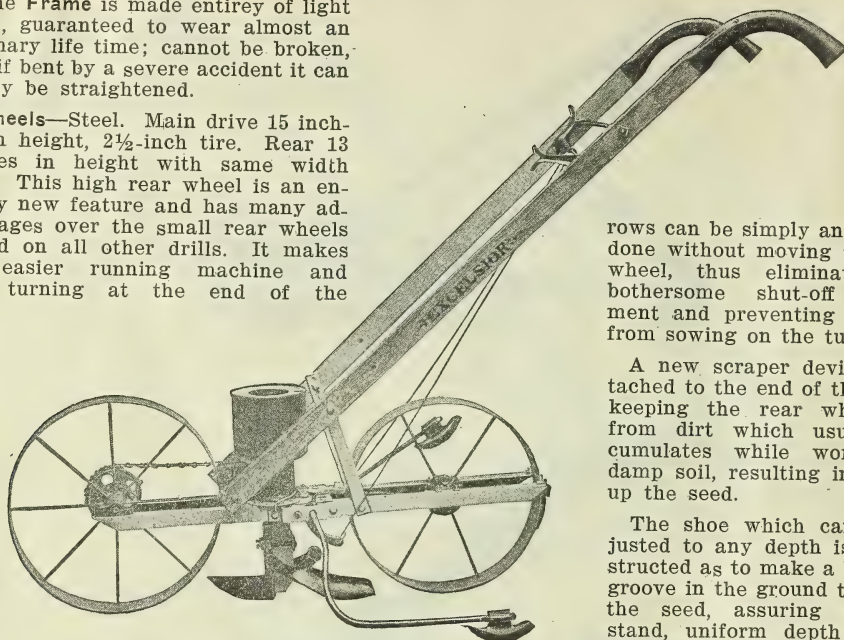


It will distribute all kinds of fertilizer, land plaster and ashes, flax and clover seed 36 feet to the round; wheat 50 feet to the round; buckwheat 46 feet to the round; barley 48 feet to the round; timothy seed 27 feet to the round; oats 36 feet to the round. Price \$150.

Price, \$1.75.

The **Frame** is made entirely of light steel, guaranteed to wear almost an ordinary life time; cannot be broken, and if bent by a severe accident it can easily be straightened.

Wheels—Steel. Main drive 15 inches in height, 2½-inch tire. Rear 13 inches in height with same width tire. This high rear wheel is an entirely new feature and has many advantages over the small rear wheels found on all other drills. It makes an easier running machine and the turning at the end of the



rows can be simply and quickly done without moving the drive wheel, thus eliminating the bothersome shut-off attachment and preventing the drill from sowing on the turn.

A new scraper device is attached to the end of the frame, keeping the rear wheel free from dirt which usually accumulates while working in damp soil, resulting in picking up the seed.

The shoe which can be adjusted to any depth is so constructed as to make a V-shaped groove in the ground to receive the seed, assuring an even stand, uniform depth and all seeds sown in a direct straight line which makes it possible to work close to small plants, saving a great deal of expense in hand weeding. This well known labor-saving feature of the Excelsior will actually save more than enough in one season's work to pay for the tool.

It sows perfectly any kind of seed from turnips to corn or beans.

Extra seed plate is regularly furnished exclusively for onions which will sow from three to eight pounds per acre, increasing about one-half pound per hole. Each machine is equipped with two adjusters, one our regular No. 11 and the other a special brush which will not injure the most delicate seeds.

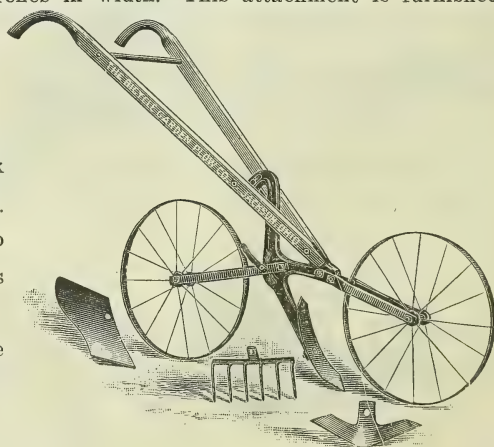
Fertilizer Attachment is furnished extra for sowing commercial fertilizers in amounts from 200 to 800 pounds per acre.

We also make an extra attachment for sowing onion seeds forsets which takes the place of the regular shoe and sows a row three inches in width. This attachment is furnished only on the Excelsior Cast Iron Drill.

PLANET, JR., GOODS.

If interested in Seed drills Cultivators ask for special catalogue on Planet, Jr., goods. We try and carry a full line. There are no better Seed drills on the market for all kinds of seeding than the Planet, Jr.

Get special prices on the above Bicycle Cultivator.



Price, \$6.00.

BASKETS OF ALL KINDS.

We consider ourselves the largest Basket Handlers in Northwestern Pennsylvania; such as $\frac{1}{2}$ -bushel Splint Baskets, 1 bushel Baskets, Oak Stave; $\frac{1}{2}$ -bushel Oak Stave, 1 bushel Elm Stave, Berry Cups, Grape Baskets; all sizes; 1 bushel Crates, Egg Crates, etc. We can figure with you on car lots and less. We know we can save you some money. If in want of any let us figure with you on car load lots or less.

Masters Rapid Plant Setter,

THE ONLY HAND MECHANICAL PLANT SETTER
ON THE MARKET.

is built on scientific principles throughout. Its conical jaws are made of heavy sheet steel and the main body or water reservoir and plant tube of heavy tinned plate. The water valve is of brass with rubber packing. The valve rod and trip spring are of steel wire; thumb button and other fittings are also of brass. The machine is well put together with rivets and solder and should last for years.

No stooping when using it therefore no lame backs.

All kinds of plants such as cabbage, tobacco, tomatoes, cauliflower, strawberries, sweet potatoes, sugar beets, etc., are set in water and covered at one operation.

The plant roots are put down to the proper depth below the surface where the ground is cool and damp. You never have to wait for a shower; plants may be safely set out when large enough, regardless of the weather—no matter how dry and dusty the ground may be.

Every Farmer and Truck Grower Should Have One.

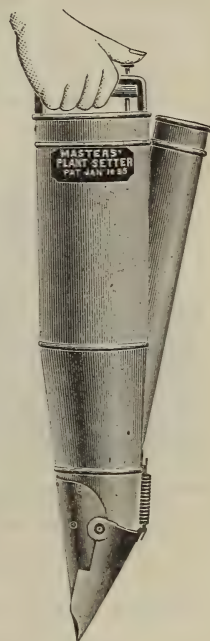
Any man, with little practice can easily set out 7,000 to 10,000 plants each day. Our planter maintains a record of over 998 plants to grow from each 1,000 set. Use Liquid Fertilizer to set with if possible. This will insure a quick start and a strong growth.

Printed instructions for making and using Home-made Liquid Fertilizer at no cost but your own work to prepare it, sent free with each Plant Setter, also full directions how to operate it goes with every machine. Money refunded in case his Planter fails to do all we claim for it.

This Planter will save its cost a dozen times over in a season—is light and pleasant to work with—and its price within reach of every grower.

Weight when empty, $4\frac{1}{2}$ lbs.: wrapped and crated ready for shipment, 7 lbs.

Remember we prepay express charges to your station when cash accompanies the order.



Price, Each, \$3.75.

Poultry Supplies.

We handle a complete line of Poultry Supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots.

Transportation charges to be paid by purchaser, except where noted.

COMPLETE CATALOGUE SENT ON REQUEST. ASK FOR IT.

THEILMANN'S POULTRY FOOD. A perfect food for the mash; nothing so good to feed in conjunction with Clover Hay. Per 100 lbs. \$1.80.

CHICK FOOD, will keep the little chicks growing and in perfect condition. Per lb. 5c, package 10c and 25c, per 100 lbs. \$2.25.

CUT CLOVER HAY from second crop clover. A perfect winter food. Per 100 lbs. \$2.00.

CUT ALFALFA HAY, per 100 lbs. \$2.00.

GRIT. An absolute necessity to the health of fowls that are confined.

—Mica Crystal. Price, 100 lbs. 60c.

OYSTER SHELLS furnish the lime so needful to laying hens. Per 100 lb. sack, 60c.

RAW BONE, CRUSHED, should be fed to all growing stock. Forms and muscle. Per 100 lbs., \$2.25.

BEEF SCRAPS, 50 per cent Protein. Of the greatest value to both growing and laying fowls. Per 100 lbs., \$3.00.

LIQUID LICE KILLER, "LEE'S." Paint the roosts, floor, walls, etc., and the vermin will disappear. Per qt. can, 35c; 2 qts. 60c; 1 gallon, \$1.00.

CYCLONE SPRAY PUMPS for applying Paris Green, etc., to plants. Tin, 50c; large, \$1.00.

CONDITION POWDERS should always be kept on hand; prevent disease and promote laying.

—Pratt's, box 25c, 5 lbs. 60c.

—Rust's, box, 25c, 5 lbs. 50c.

—Eggo, box, 25c, 10 lbs. \$1.00.

—Lee's, box, 25c, 25 lbs. \$2.00.

LAMPS, made from galvanized iron, for Incubator and Brooder use. 75c and \$1.00.

DRINKING FOUNTAINS. Keep the water cool and clean; every yard should be provided with one or more.

—Stoneware. $\frac{1}{2}$ gallon 25c, 1 gallon 35c.

—Queen City. $\frac{1}{2}$ gallon 25c, 1 gallon 35c.

—Sanitary Galvanized Iron. 1 gallon, 35c, 2 gallons 85c.

—Prairie State Galvanized Iron. 1 qt. 25c, 2 qt. 35c, gallon 50c.

—Non-freezing, \$2.25.

SELF-FEEDING GRIT BOXES. Galvanized Iron. Neat, cheap and convenient. Each, 50c.

EARTHENWARE NEST PANS for pigeons. Each, 10c; doz. \$1.00.

CHICKEN PUNCH, or marker. Reliable spring lever, 35c.

LEG BANDS. "Climax," "Champion," "Eclipse," "Sealed," etc. Per doz., 20c.

THERMOMETERS, Incubator.

—Guaranteed. Each, 75c.

—Guaranteed Brooder. Each, 25c.

EGG TESTERS, Electric. 25c.

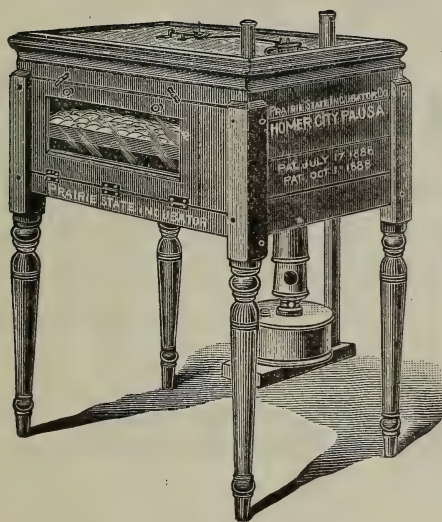
WE ARE GENERAL AGENTS

— FOR —

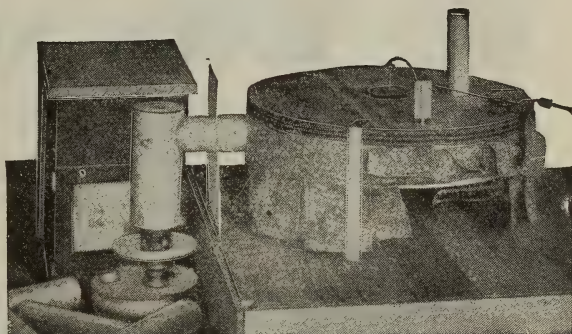
PRAIRIE STATE INCUBATORS AND BROODERS.

COMPLETE DESCRIPTIVE CATALOGUE

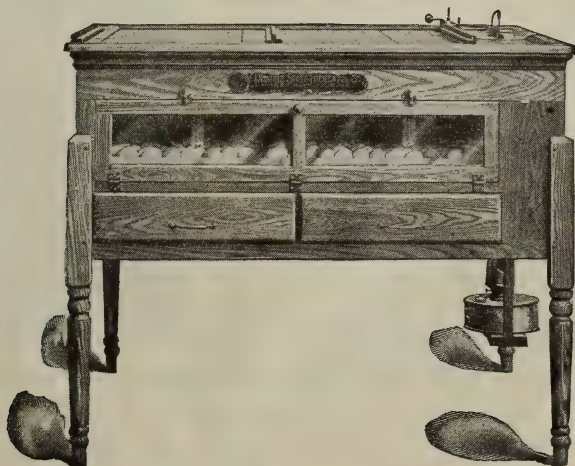
SENT UPON APPLICATION.



Incubator, \$15.00.



Universal Hover, \$7.00.



Price, \$30.00.

BLATCHFORD'S



CALF MEAL.

The Perfect Milk Substitute.

Highly recommended by the Agricultural Experiment Stations and thousands of farmers.

IT PREVENTS SCOURING.

IT SAVES THE MILK.

100 lbs. makes 100 gals. of rich, nutritious milk substitute. It is not a by-product, but a complete food on which can be raised fine, healthy calves at one-half what it costs for whole milk.

PRICES.

100-lb. bag.....	\$3.50
50-lb. bag.....	2.00
20-lb. bag.....	1.00

Read what one consumer says:

Moravia N. Y., November 16, 1904.

I shall continue to use BLATCHFORD'S CALF MEAL and am ready to recommend it to anyone that wants to raise calves. Most everybody feeds it in this place, and a man that has tried it could do more in recommending it than a lot of letters, and I will do what I can for you that way. It does its own advertising when a man uses it once.

(Signed) ED. HALL.

We have thousands of others similar to this one which cannot be printed for lack of space. Why continue to raise calves in the old way when by using BLATCHFORD'S CALF MEAL you can save yourself money, time and trouble?

Send for pamphlet, How to Raise Calves Cheaply and Successfully without Milk.

Distributors,

THEILMANN SEED CO.,

Erie, Pa.

Factory,

Waukegan, Ill.,

Established at Leicester, England, in 1800.

Read's Green Mountain Oats.

Absolutely rust proof—yields 40 to 130 bushels per acre year after year. Outyields any Oats we know of. Heads reach the unapproached length of 18 inches and grain weighs 35 to 42 lbs. per bushel. Never runs out or deteriorates like some other varieties but instead gains vigor each year as it becomes more acclimated and yields double ordinary kinds under similar and trying conditions.

Out of 40 leading standard varieties tested at Reads Experiment Farms for five successive years READS Green Mountain Oats proved the nearest rust proof each year and gave the largest average yield of them all for the whole period including such varieties as 20th Century, Big Four, Lincoln, National and Swedish select.

Origin.—Read's Green Mountain Oat is the best of the sporting progeny obtained in 1906 by Cross Breeding the Mortgage lifter with the White Russian. As could be expected the new Oat is a marvel for combined qualities and a champion in productiveness. Prices on application.

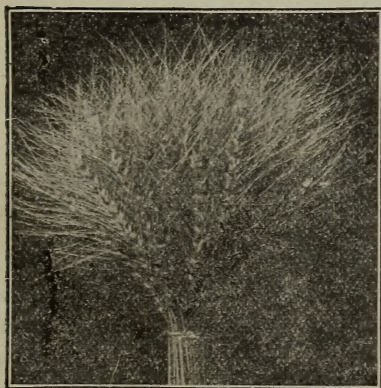


Read's Reliable Spring Wheat.

162 Bushels per Acre by Intensive Farming.

PERFECT BLOOD.

STRONGEST GROWER.



Combines greatest aggregate combination of excellence and possesses qualities absent from all others, stands foremost as a milling wheat.

A single kernel of this wheat has produced 1263 plump grains yields under practical farming from 45 to frequently 60 bushels per acre.

Origin Read's Reliable Spring Wheat was produced in 1896 in my endeavors to unite the remarkable standing and yielding qualities of the Western Imperial with the fine superior milling qualities of the Saskatchewan Fife several varieties were the result of this Hybridization from which this variety was chosen as realizing the end in view, marking a

steady advance over both its parents in productiveness, vigor and hardiness. A careful selection from for the past 12 years has now fully established its character to the highest standard. Prices on application.

READ'S VERMONT BEARDLESS BARLEY.



The wonderful, strictly new barley with hulls on WIDELY TESTED AND DISTINCTLY SUPERIOR

to all other beardless barleys. Yields all the way from 40, 60 to 80 and even as high as 200 bushels per acre according to the care, conditions and state of fertility of the land and threatens the practical extinction of all other beardless barleys.

Origin.—In 1897 I conceived the idea of crossing a bearded barley with a beardless hullless barley in hopes of originating a better beardless-hulless 6-rowed variety. Though disappointed in this attempt by crossing the Giant White Hulless on to the Manshury there was created the best 6-rowed beardless barley with the hull on ever originated. After eleven years of persistent selection, roguing and growing alongside of all the leading standard varieties, its type has been thoroughly fixed and further it has completely demonstrated its superiority over every variety tested. This new barley has many requisite qualities transplanted into it unknown to all other kinds. Prices on application.

FARM TABLES.

TABLE OF WEIGHTS.

Showing the standard weights per bushel of some of the more common seeds.

Barley	48 lbs.	Flax	56 lbs.	Rye	56 lbs.
Beans	60 lbs.	Hemp	44 lbs.	Red Top Grass.....	14 lbs.
Buckwheat	48 lbs.	Hungarian Grass.....	48 lbs.	Rape	50 lbs.
Blue Grass	14 lbs.	Millet	48 lbs.	Timothy	45 lbs.
Clover	60 lbs.	Oats	32 lbs.	Tares, or Vetches.....	60 lbs.
Corn	56 lbs.	Peas	60 lbs.	Wheat	60 lbs.

PLANTS UPON AN ACRE OF GROUND.

Distances apart.	No. of Plants.	Distances apart.	No. of Plants.	Distances apart.	No. of Plants.
6 in. by 6 in.....	174,240	2 feet by 2 feet..	10,890	5 feet by 5 feet..	1,742
1 foot by 1 foot....	43,560	3 feet by 2 feet..	7,260	6 feet by 6 feet..	1,210
1½ foot by 1½ foot	19,360	3 feet by 3 feet..	4,840	8 feet by 8 feet..	680
2 feet by 1 foot..	21,780	4 feet by 4 feet..	2,722	10 feet by 10 feet:	435

SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS, ETC.

1 oz. Asparagus will produce about.....	500 plants
1 oz. Broccoli, Cabbage, Cauliflower, Egg Plant, Kale, Tomato, Leek, or Pepper	2500 plants
1 oz. Celery, Endive, or Lettuce, will produce about.....	6000 plants
1 oz. Okra, or Spinach, may be allowed for every.....	1000 feet of row
1 oz. Onions, or Radish, may be allowed for every.....	150 feet of row
1 oz. Carrot, Parsley, Parsnip, or Turnip, may be allowed for every.....	200 feet of row
1 oz. Cucumber is sufficient for.....	125 hills
1 oz. Musk Melon is sufficient for.....	100 hills
1 oz. Water Melon is sufficient for.....	40 to 60 hills
1 oz. Pumpkin, or Squash, is sufficient for	40 to 80 hills
1 qt. Field Pumpkin is sufficient for.....	400 to 500 hills
1 qt. Dwarf or Bush Beans is sufficient for	200 feet of row or 300 hills
1 qt. Pole Beans is sufficient for.....	100 to 200 hills
1 qt. Peas is sufficient for.....	150 to 200 feet of row

TABLE OF QUANTITIES.

Showing the quantity of seed usually sown upon an acre.

Barley, broadcast.....	2 to 3 bushels	Musk Melon, in hills....	1 to 1½ pounds
Beans, Dwarf, in drills.....	1½ bushels	Mangel Murzel, in drills.....	4 pounds
Barley, in drills.....	1¾ to 2 bushels	Oats, broadcast.....	2 to 3 bushels
Beets, in drills.....	4 pounds	Onions, for dry bulbs in drills, 4 pounds	
Broom Corn, in drills.....	1½ bushels	Onions, for bulbs, to sell green, drills....½.....	6 to 8 pounds
Buckwheat.....	1 to 1½ bushels	Onion sets, in drills.....	10 bushels
Cabbage, in hills.....	½ 8 ounces	Parsnips, in drills.....	4 to 6 pounds
Cabbage, in beds to transplant, 2 ounces		Potatoes, in drills, depending on number of eyes.....	7 to 15 bushels
Carrots, in drills.....	2 to 3 pounds	Peas, broadcast.....	2 bushels
Clover, Red, broadcast..	15 to 20 pounds	Radish, in drills.....	6 pounds
Clover, White, broadcast,	10 to 15 pounds	Radish, broadcast.....	12 to 16 pounds
Clover, Alsike, broadcast,	10 to 15 pounds	Rye, broadcast.....	2 bushels
Corn, in hills.....	8 to 12 pounds	Salsify, in drills.....	6 to 8 pounds
Corn, for fodder.....	2 to 3 bushels	Sage, in drills.....	4 to 6 pounds
Cucumber, in hills.....	1 pound	Spinach, in drills.....	10 to 15 pounds
Flax	1½ to 2 bushels	Squash, bush varieties, in hills	3 to 4 pounds
Grasses,—		Squash, running varieties, in hills	2 to 2½ pounds
Kentucky Blue Grass.....	2 bushels	Tomatoes, in bed to transplant..	2 ounces
Lawn Grass.....	3 bushels	Turnip, in drills.....	2 pounds
Orchard Grass.....	2 to 3 bushels	Wheat, broadcast.....	2 bushels
Red Top Grass.....	2 bushels	Vetches.....	2 to 3 bushels
Hemp, broadcast.....	1 to 1½ bushels		
Hungarian Grass.....	½ to ¾ bushels		
Lucerne, broadcast.....	15 pounds		
Millet, broadcast.....	½ to ¾ bushel		

The above list estimates of seeds for an acre is as nearly correct as can well be ascertained, assuming the seeds to be good.

THEILMANN SEED CO.

1601-5 State Street



Field of Burpee's Bush Lima.

OPPOSITE CENTRAL MARKET HOUSE

— ERIE, PA. —